

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

PROPOSAL RESPONSE COVER SHEET

THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

The Board of County Commissioners, Leon County, reserves the right to accept or reject any and/or all bids in the best interest of Leon County.

Keith M. Roberts, Purchasing Director

John Dailey, Chairman
Leon County Board of County Commissioners

This bid response is submitted by the below named firm/individual by the undersigned authorized representative.

BY Dyer, Riddle, Mills & Precourt, Inc.
(Firm Name)
Jon S. Meadows
(Authorized Representative)
Jon S. Meadows, PE
(Printed or Typed Name)
ADDRESS 1435 East Piedmont Drive, Suite 210
CITY, STATE, ZIP Tallahassee, Florida 32308
TELEPHONE 850-562-9600
FAX 850-575-5544

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

Addendum #1 dated 3/3/11 Initials JS Addendum #3 dated _____ Initials _____
Addendum #2 dated 3/8/11 Initials JS Addendum #4 dated _____ Initials _____

PLEASE MARK WHICH CATEGORIES FOR WHICH YOU WISH TO BE CONSIDERED:

- | | |
|--|---|
| <input checked="" type="checkbox"/> a. Stormwater Engineering | <input type="checkbox"/> h. Surveying |
| <input checked="" type="checkbox"/> b. Roadway Design | <input checked="" type="checkbox"/> i. Subdivision and Site Development Engineering |
| <input checked="" type="checkbox"/> c. Traffic and Intersection Engineering | <input checked="" type="checkbox"/> j. Parks and Recreational Facility Engineering |
| <input type="checkbox"/> d. Structural Engineering | <input type="checkbox"/> k. Utility Engineering |
| <input type="checkbox"/> e. Geotechnical Services | |
| <input type="checkbox"/> f. Environmental Support Services | |
| <input type="checkbox"/> g. Construction Engineering and Inspection Services | |

Principals

Wayne D. Chalifoux
Donaldson K. Barton, Jr.
Lucius J. Cushman, Jr.
Jon S. Meadows
Lawrence L. Smith, Jr.
William T. Stone

March 17, 2011

DRMP Job # 10-0547.0MK

Leon County
Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308



Reference: Proposal Number BC-03-17-11-25
Request for Proposals for Civil Engineering Services, Continuing Supply, Leon County, Florida

Dear Selection Committee:

Dyer, Riddle, Mills & Precourt, Inc. (DRMP) is pleased to submit our qualifications to provide professional engineering services to Leon County. We are a full service engineering firm and have the capacity to meet your needs in the following five categories: **Stormwater Engineering; Roadway Design; Traffic and Intersection Engineering; Subdivision and Site Development Engineering; and Parks and Recreational Facility Engineering.** DRMP has a staff of over 240 employees with a vast history of work on continuing contracts for clients all over the state of Florida and an especially strong presence in the Florida panhandle. In Leon County, DRMP has maintained a local office for 10 years. We are committed to local service and are looking forward to working with the County.

Our Stormwater, Roadway, Traffic, Site Development and Parks experience provides us with the capability to ensure a project's successful completion resulting, ultimately, with a satisfied client. Our firm has an impressive background of experience with all project requirements and specifically on a task-order/on-call basis. We have dealt efficiently and effectively with each element associated with these areas of practice while also incorporating innovative and economical solutions into many projects.

Bryant A. King, PE is DRMP's Project Manager the for Stormwater, Roadway, Traffic and Parks and Recreation Facility Engineering contracts while **Eric W. Gooch, PE** is the Project Manager for the Subdivision and Site Development contract. Bryant and Eric bring 30 years combined experience to the team and provide strong leadership for DRMP's Tallahassee office. Each project manager will confirm that the product has been through DRMP's rigorous quality control process and will step in as needed to resolve any critical issues to ensure the County is satisfied. They will oversee each step of the project and ensure that adequate resources are available to complete each task within budget and meet or surpass all performance goals. We have also assigned task managers for each individual discipline with the experience and technical expertise to meet the requirements of every project required by the County. Having worked with these types of projects on many continuing contracts throughout the state, DRMP is committed to providing the necessary resources to meet or exceed the County's goals.

Below, we have identified the key elements that distinguish DRMP in reviewing for your shortlist:

- Extensive Continuing Contract Experience
- Highly Experienced Local Project Managers
- Local presence/accessible staff
- Superior technical expertise and experience
- Commitment to meeting schedule and budget
- Availability of personnel for immediate response

1435 East Piedmont Drive
Suite 210
Tallahassee, Florida 32308
Phone: 850.562.9600
Fax: 850.575.5544

Boca Raton, Florida
Charlotte, North Carolina
ChIPLEY, Florida
Columbia, South Carolina
DeLand, Florida
Ft. Myers, Florida
Gainesville, Florida
Jacksonville, Florida
Lakeland, Florida
Orlando, Florida
Panama City Beach, Florida
Pensacola, Florida
Tampa, Florida



DRMP appreciates the opportunity to submit these proposals to Leon County and we look forward to the opportunity to work together in providing quality, responsive and cost-effective engineering service that meets your needs.

By the signature below, I declare that DRMP's proposal is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.

Sincerely,
Dyer, Riddle, Mills & Precourt, Inc.

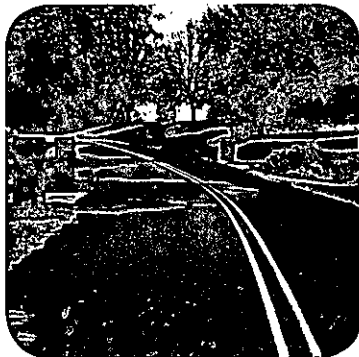
Bryant King, PE
Office Leader
DRMP Tallahassee

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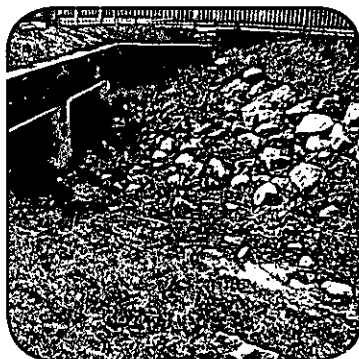
Equal Employment Policies

Insurance Certification Form

Certification Regarding Debarment Suspension

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Local Vendor Certification Form



SPECIFIC PROPOSAL INFORMATION

SECTION TWO

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TAB A

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I. SUBDIVISION AND SITE DEVELOPMENT ENGINEERING

TAB D

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General Information

CONTRACTOR INFORMATION

Firm name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Office Location: 1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

Contact Person: Bryant A. King, PE.
P: 850.562.9600
E: bking@drmp.com

EXECUTIVE SUMMARY

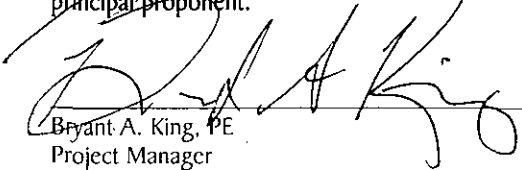
Firm Overview

Dyer, Riddle, Mills & Precourt, Inc. (DRMP) has been in business since 1977 as a multi-discipline firm serving clients in the public, private and industrial sectors in the development of infrastructure for the community-at-large. We currently have 14 office locations spread strategically across the southeastern United States.

Our staff is capable of managing a project from the early planning stages through design and into construction administration. Founded on a standard of excellence, our growth and success is based on our commitment to tailor our multi-discipline services to effectively develop quality design solutions that are cost effective and delivered within the agreed upon timeframe. Today, DRMP is ranked among *Engineering News-Record's* "Top 500 Design Firms" in the United States.

AUTHORIZED REPRESENTATIVES

Authorized Representatives declare that DRMP's proposal for Civil Engineering Services, Continuing Supply, Proposal Number BC-03-17-11-25 is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.


Bryant A. King, PE

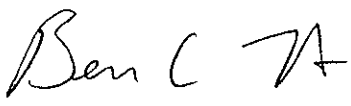
Project Manager

1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

P: 850.562.9600

F: 850.575.5544

E: bking@drmp.com


Ben C. Faust, PE

Project Manager

1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

P: 850.562.9600

F: 850.575.5544

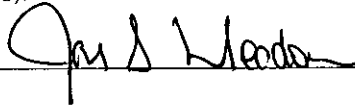
E: bking@drmp.com

**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP) 

Signature: Jon S. Meadows, PE Title: Principal-in-Charge

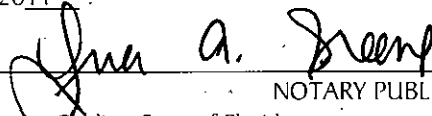
STATE OF Florida
COUNTY OF Leon

Sworn to and subscribed before me this 17th day of March, 2011.

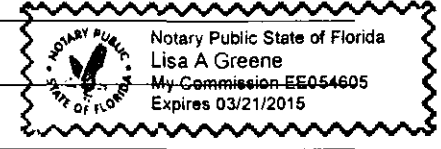
Personally known

OR Produced identification _____

(Type of identification)


NOTARY PUBLIC
Notary Public - State of Florida

My commission expires: _____



Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: Jim A. MeadowsTitle: Principal-in-ChargeFirm: DRMP

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this completed Insurance Certification Form, signed by the company Risk Manager or authorized manager with risk authority.

- A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General
Liability:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

Business Auto:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

If answer is NO, provide name and address of insurer:

2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability


Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.

Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

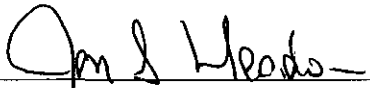
Coverage is in place Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Daniel M. DeLaRosa Signature 
Typed or Printed
Date 3/8/11 Title Vice President
(Company Risk Manager or Manager with Risk Authority)

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge *and belief*, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.



Signature

Principal-in-Charge
Title

DRMP
Contractor/Firm

1435 East Piedmont Drive, Suite 210, Tallahassee, Florida 32308
Address

LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	
Current Local Address: 1435 East Piedmont Drive, Suite 210 Tallahassee, Florida 32308	Phone: 850.562.9600 Fax: 850.575.5544
If the above address has been for less than six months, please provide the prior address.	
Length of time at this address:	
Home Office Address: 941 Lake Baldwin Lane Orlando, Florida 32814	Phone: 407.896.0594 Fax: 407.896.4836

Jon S. Meadows
Signature of Authorized Representative

March 17, 2011
Date

STATE OF Florida
COUNTY OF Leon

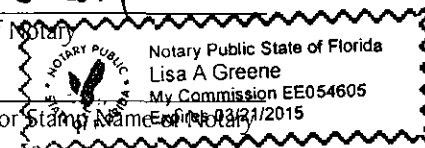
The foregoing instrument was acknowledged before me this 17th day of March, 2011.

By Jon S. Meadows, PE, Principal-in-Charge, of DRMP,
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Florida corporation, on behalf of the corporation. He she is personally known to me
(State or place of incorporation)

or has produced _____ (as identification)
(type of identification)

Lisa A. Greene
Signature of Notary



Return Completed form with supporting documents to:

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

Title or Rank

Serial Number, If Any

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SPECIFIC PROPOSAL INFORMATION

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Staff Resources and Availability

Organizational Chart

Key Personnel Resumes

SIMILAR PROJECT EXPERIENCE

TAB B

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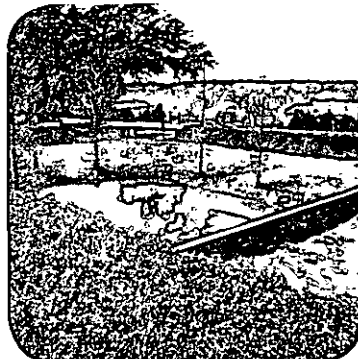
TAB C

RECENT, CURRENT AND PROJECTED WORKLOAD

TAB D

PROJECT TEAM LOCATION

TAB E



APPROACH TO THE PROJECT

TAB F

General Information

CONTRACTOR INFORMATION

Firm name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Office Location: 1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

Contact Person: Bryant A. King, PE.
P: 850.562.9600
E: bking@drmp.com

EXECUTIVE SUMMARY

Firm Overview

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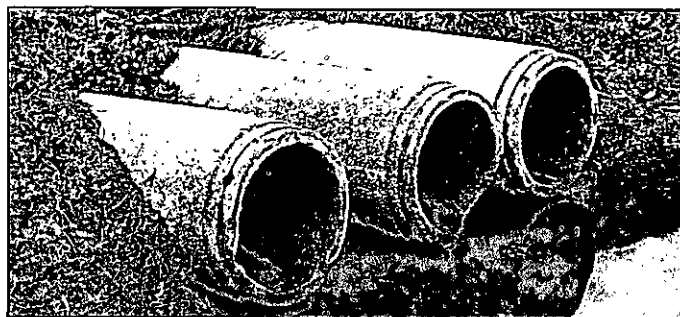
Our staff is capable of managing a project from the early planning stages through design and into construction administration. Founded on a standard of excellence, our growth and success is based on our commitment to tailor our multi-discipline services to effectively develop quality design solutions that are cost effective and delivered within the agreed upon timeframe. Today, DRMP is ranked among *Engineering News-Record's* "Top 500 Design Firms" in the United States.

Firm Capabilities

Stormwater Engineering

Population growth and land development have directly impacted the need to manage the water in our communities. DRMP works with our clients to provide efficient engineering in order to manage stormwater through systems that meet regulatory and agency requirements and function as economic and maintainable systems. Although this is what we get paid to do, we recognize that our ultimate objective is to protect water quality, the environment, and the communities in which our systems serve and to provide flow protection.

DRMP has proven success in both new and retrofit systems and as an added benefit our clients can expect delivery of our data in formats which can be incorporated into their geographic information systems. We work hard to achieve a quality design, study or model that has been coordinated with the required jurisdictional agencies and follows the appropriate guidelines to create multi-faceted, economical and modernized stormwater management systems.



Our stormwater management designs represent best leading management practices for water quality, flood control, stormwater drainage and water conservation. Full consideration is given to both mechanics and aesthetics with every project. In this manner, solutions respond not only to functional needs but to environmental and human considerations as well.

DRMP's scope of services includes the following:

- Basin Master Plans
- Erosion Control
- FEMA Coordination
- Floodplain Determination and Mapping
- Pond Siting
- Retrofit Design and Permitting
- Stormwater Design and Modeling
- TMDL Analysis
- Water Quality Studies
- Watershed Studies
- Stormwater Management and Master Planning
- Existing System Studies and Analysis
- Natural Drainage System Analysis
- Water Control Structure Design
- Cost Estimates
- Government and Regulatory Agency Permitting
- Water Supply Studies
- Water Conservation Studies and Design
- Ecological Impact Evaluation
- Expert Witness Services

Permitting Services

DRMP is very familiar with all potential permitting requirements that may be pertinent to proposed projects for Leon County. As noted, our team has experience providing engineering stormwater and environmental permitting services throughout the state of Florida, for over three decades. We know the relevant regulatory and review agency personnel and all of the state and federal agencies such as: City/County Growth Management, NFWFMD, FDEP, FFWCC, USACOE USFWS, and USCG.

At the local level, we have closely interacted with the key state, county and municipalities' staff, and have coordinated on a number of occasions with the NFWFMD regarding stormwater and environmental issues. Our staff has worked with the Leon county and City of Tallahassee Growth Management Departments on public and private stormwater projects.

AUTHORIZED REPRESENTATIVES

Authorized Representatives declare that DRMP's proposal for Stormwater Engineering is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.

Bryant A. King, PE
Project Manager
1435 East Piedmont Drive,
Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bking@drmp.com

Ben C. Faust, PE
Vice President-in-Charge
1435 East Piedmont
Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bfaust@drmp.com

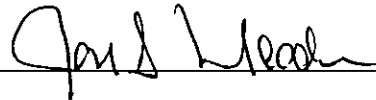
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BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)



Signature: Jon S. Meadowst, PE

Title: Principal-in-Charge

STATE OF Florida

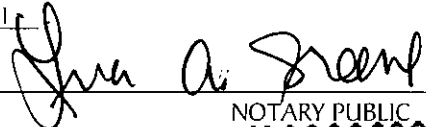
COUNTY OF Leon

Sworn to and subscribed before me this 17th day of March, 2011.

Personally known

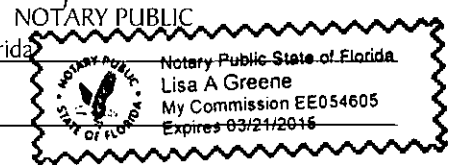
OR Produced identification _____

(Type of identification)



Notary Public - State of Florida

My commission expires: _____



Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: James WoodTitle: Principal-in-ChargeFirm: DRMP

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this completed Insurance Certification Form, signed by the company Risk Manager or authorized manager with risk authority.

- A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

Business Auto:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

- 1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

If answer is NO, provide name and address of insurer:

- 2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

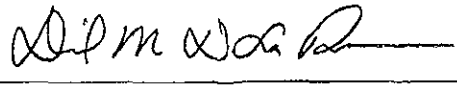
Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.

Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

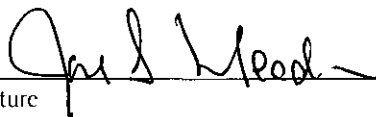
Coverage is in place Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Daniel M. DeLaRosa Signature 
Typed or Printed
Date 3/8/11 Title Vice President
(Company Risk Manager or Manager with Risk Authority)

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.


Signature

Principal-in-Charge
Title

DRMP
Contractor/Firm

1435 East Piedmont Drive, Suite 210, Tallahassee, Florida 32308
Address

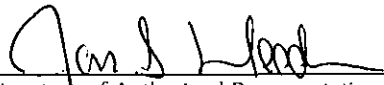
LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	
Current Local Address: 1435 East Piedmont Drive, Suite 210 Tallahassee, Florida 32308	Phone: 850.562.9600 Fax: 850.575.5544
If the above address has been for less than six months, please provide the prior address.	
Length of time at this address:	
Home Office Address: 941 Lake Baldwin Lane Orlando, Florida 32814	Phone: 407.896.0594 Fax: 407.896.4836


Signature of Authorized Representative

March 17, 2011
Date

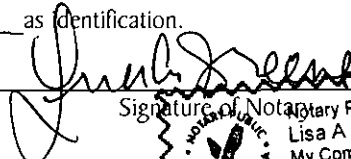
STATE OF Florida
COUNTY OF Leon

The foregoing instrument was acknowledged before me this 17th day of March, 2011.

By Jon S. Meadows, PE, Principal-in-Charge, of DRMP
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Florida corporation, on behalf of the corporation. He is personally known to me
(State or place of incorporation)

or has produced _____ as identification.
(type of identification)


Signature of Notary Public State of Florida
Lisa A. Greene
My Commission EE054605
Expires 03/21/2015
Print Type or Stamp Name of Notary

Return Completed form with supporting documents to:

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

Title or Rank

Serial Number, If Any

Ability of Professional Personnel

It is our philosophy and approach to provide the best available talent in our organization to each project and, if necessary, to utilize outside support due to expertise, cost, scheduling or location issues. A major strength of DRMP is our depth of experience and expertise, both in our project managers and our technical staff. This background, combined with our underlying company philosophy of meeting client needs in the most timely and cost-effective manner, has contributed significantly to our long-term success.

We have assembled the members of this project team based on professional experience, completion of similar projects in the local area and ability to perform the tasks required for this continuing contract. Additionally, these project team members have experience

in working under a contract that requires completing task assignments on an on-call basis.

AVAILABLE STAFF RESOURCES

DRMP's professional staff has extensive experience in the services required under this Stormwater Engineering Continuing Services Contract. DRMP's Stormwater Division includes 20 individuals devoted solely to Stormwater Services Contracts. These individuals have a wide range of experience in both the design and study areas with the necessary skill set to meet the requirements of this contract. The following table is a listing of these individuals with their experience and availability.

Project Team	Areas of Expertise										
	Years of Experience	Stormwater Design	Basin Master Plans	Hydrologic/Hydraulic Modeling	Watershed Studies	TMDL Analysis	GIS Support	Expert Witness	Wetlands/Mitigation/Habitat Restoration	Survey/Right-of-Way	Percent Availability
Bryant King, PE	17	X	X	X	X	X	X	X			60%
Ben C. Faust, PE	19										15%
Allen W. Schrupf, PE	34	X									20%
Kenneth R. Kniel, PE	29	X	X	X	X	X	X	X			20%
Eric Gooch, PE	12	X	X	X	X						65%
John L. Minton, Jr, PE, CFM	15	X	X	X	X	X			X		50%
Travis Shannon, EI	4.5	X	X	X	X	X	X				60%
Scott A. Garth, PE	19	X	X	X	X	X					50%
George P. McLatchey, CEP, PWS	17								X		45%
Douglas A. Skurski, PWS	10						X		X		45%
Joshua W. Miller	4						X				45%
Eric Brown	12	X	X	X	X						65%
Steven J. Peene, PhD (ATM)	21		X		X	X		X			40%
Janet K. Hearn, PE (ATM)	29		X	X	X	X	X				50%
Jeffery R. Lance, PLS	19									X	35%
Barbara Bergstrom, PSM (Poole)	29									X	35%

PROJECT MANAGEMENT

DRMP's project management method is based on providing Leon County with superior project administration and coordination. This will ensure that the County receives the highest quality work products and services while minimizing the County's staff's required input and contract management. Our project team is structured to assign a highly-qualified project manager to: (1) act as the primary point of contact; (2) monitor the work product; and (3) assist the County in developing and scoping individual work tasks. The primary task of the project manager is to coordinate all resources of the project team to ensure we are able to:

- Provide comprehensive services for any task assignment;

- Create a strong working relationship with the County staff, built on mutual trust and professionalism in the development and implementation of project and program objectives;
- Work effectively as an extension of the County's staff to provide the required services, in a highly-efficient, cost conscious and professional manner;
- Handle issues and concerns as quickly and effectively as possible as they arise;
- Ensure that solutions are developed that are not only technically correct, but are also consistent with the needs of the community, and advance the effective implementation of adopted goals, objectives and policies.

Project Manager **Bryant A. King, PE** will ensure that the County receives the services they need and deserve. This position is to make certain that resources are available when, and to the degree necessary, and to monitor the County's measure of satisfaction. He will resolve any concerns that may arise, and act as an additional objective manager in the Quality Assurance process. As Project Manager, Mr. King's main responsibility will be to serve as the primary point of contact for the County; develop a comprehensive project scope; monitor the project schedule; and ensure quality control is conducted on work products. Mr. King will also negotiate contracts, coordinate with subconsultants and review agencies and oversee the technical, financial and schedule aspects of the project. He is responsible for the successful completion of each task. Bryant has been with DRMP for nearly 15 years and has been with DRMP in Tallahassee for nearly 7 years.

Ben C. Faust, PE serves as DRMP's Vice President-in-Charge. Mr. Faust will ensure Mr. King has all of the staffing and resources necessary to meet the schedule demands and experience requirement of this contract.

Ken Kniel, PE is the Division Manager for all DRMP's corporate stormwater activities. He will provide Senior technical oversight to all project, help Bryant ensure that proper technical staff are appropriated to the County's needs and can also has experience serving municipalities in an expert witness capacity. Ken has served DRMP for over 20 years.

Eric Gooch, PE will provide day to day supervision of local design and production endeavors. He will assist Bryant in meeting schedules and budget and will assist with permit coordination activities.

Travis Shannon, EI will provide local design and production support. Travis has been in the Tallahassee office for nearly 3 years and has worked on numerous drainage design activities.

John Minton, PE and **Scott Garth, PE** will assist the team by providing Senior Technical support to the design team. John's specialty is GIS based watershed modeling, stormwater retrofits and floodplain mapping. Scott's specialty is drainage retrofit design and roadway drainage design. Both John and Scott have been with DRMP for over 15 years.

George McLatchey, PWS will assist the team with design of habitat restoration and environmental and ecological permit support services. He has been with DRMP for nearly 15 years.

Steve Peene, PhD will provide TMDL and Water Quality support services as part of ATM (see below). ATM and DRMP have worked together in a Design/TMDL Support role for numerous municipalities and agencies throughout the state.

SUBCONSULTANTS

The DRMP Subconsultant Team has been assembled for this contract not only for their specific expertise but also to continue and build on DRMP's relationship with these experts gained on past similar experience. DRMP has established relationships with these subconsultant firms and has worked with each firm on previous assignments throughout the state.



Applied Technology & Management, Inc. (ATM) has provided engineering and water resources services to public and private clients

for over 25 years. ATM's staff includes Professional Engineers, Engineer Interns, Ecologists, Environmental Scientists, Modelers, and Professional Surveyor/Mappers. Our staff, works on projects throughout the United States and internationally.

ATM professionals have extensive experience in assisting municipal and private clients address the numerous challenges of stormwater management. On the broadest of scales, their firm has developed *Comprehensive Stormwater Master Plans and Watershed Management Plans*, as well as facilitate stormwater utility development based on the specific, unique qualities of each community. ATM regularly carries out comprehensive facility inventories, develops and analyzes GIS applications, designs facilities and systems, submits permit applications, analyzes BMP effectiveness, and provides funding assistance, construction oversight, public education, and stakeholder coordination. In addition, ATM has offered water resources modeling as a core service since the firm's inception in 1984. Their modeling experts are proficient in the use of a broad range of tools that simulate all aspects of the hydrologic cycle to address clients' needs. ATM provides *modeling support services for stormwater master planning and watersheds*, environmental impact evaluations, Environmental Impact Statements (EIS), NPDES permitting, TMDL development, water and wastewater design, coastal erosion studies, waterfront design, and municipal consumptive supply.



Environmental and Geotechnical Specialists, Inc. (EGS) will be providing specialty services to the design team. EGS is highly qualified and has an outstanding work experience within the panhandle of Northwest Florida. The staff at EGS has been providing professional services since 1992. EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services.

POOLE ENGINEERING & SURVEYING, Inc. Poole Engineering & Surveying, Inc. is

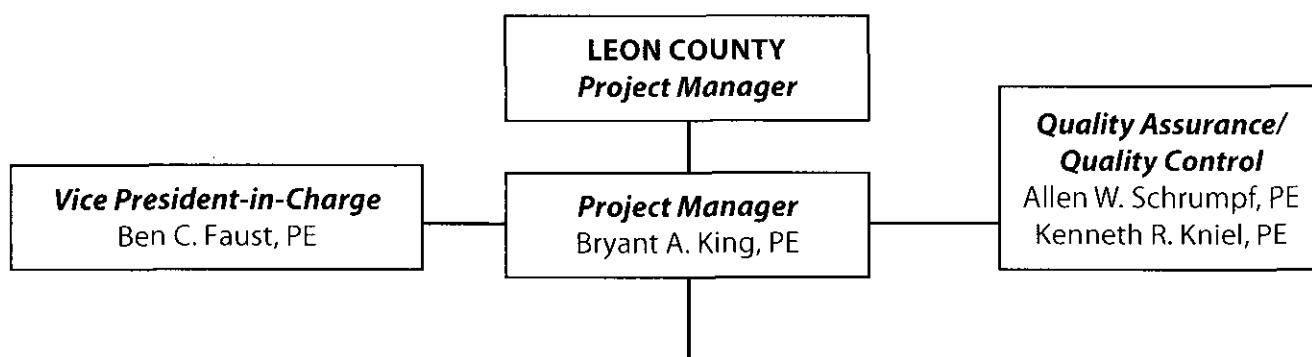
a Florida firm located in Tallahassee, which has operated continuously in the engineering and surveying field for over 30 years. Surveying has been a part of Poole since its inception in 1975. **Barbara Bergstrom, PSM** serving as Corporate Surveyor along with Kevin O'Neal as Project Surveyor is responsible for managing our Survey/CAD Technicians and field crew personnel for all projects. Both surveyors have over 20 years experience in all facets of surveying and have proven skills in their profession for providing the quality work our clients expect. With our experienced survey personnel, Poole has the ability to expand quickly into several crews, as the demand requires. Projects include Drainage Inventory for Frenchtown Master Drainage Study, Call/Cadiz Street Stormwater Improvements, Meginnis Creek Drainage Ditch and proposed Re-alignment for City of Tallahassee Stormwater Division, and the survey work for WRS in the remediation effort for Cascade Park as well as design surveys for many major apartment complexes, commercial developments and residential subdivisions in the local panhandle areas.

Leon County

Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal No. BC-03-17-11-25



STORMWATER ENGINEERING



Stormwater Design/ Permitting

Bryant A. King, PE
Eric W. Gooch, PE
John L. Minton, Jr., PE, CFM
Travis N. Shannon, EI

Basin Master Plans

Bryant A. King, PE
John L. Minton, Jr., PE, CFM
Travis N. Shannon, EI

Expert Witness

Kenneth R. Kniel, PE
Steven J. Peene, PhD

Hydrologic/Hydraulic Modeling, Watershed Studies

Bryant A. King, PE
John L. Minton, Jr., PE, CFM
Scott A. Garth, PE
Travis N. Shannon, EI

Survey/Right-of-Way

Jeffrey R. Lance, PSM
Barbara J. Bergstrom, PSM

Total Maximum Daily Loads Analysis

Steven J. Peene, PhD
Janet K. Hearn, PE

Plans Preparation

Eric W. Gooch, PE
Travis N. Shannon, EI
Eric M. Brown

Wetlands/Mitigation/ Habitat Restoration

George P. McLatchey, CEP, PWS
Douglas A. Skurski, PWS

GIS Support

Joshua W. Miller
Douglas A. Skurski, PWS

Geotechnical Services

Myron L. Hayden, PhD, PE

SUBCONSULTANTS

Applied Technology & Management, Inc.
Environmental & Geotechnical Specialists, Inc.
Poole Engineering & Surveying, Inc.

Bryant A. King, PE

Project Manager



Years of Experience

17 Total

14 With Firm

Professional Registration

Professional Engineer
No. 51994, Florida, 1997

Professional Engineer
No. 030683, Georgia, 2005

Education

Master's in Engineering,
University of Florida, 1996

Bachelor's of Science in Civil
Engineering, University of
Florida, 1991

Certifications

Level II Certified Design
Professional, No. 44943,
Georgia Soil and Water
Conservation Commission,
2007

FDOT Maintenance of Traffic

Professional Affiliation

American Society of Civil
Engineers

Florida Engineering Society

Florida Stormwater
Association

Software Aptitude

adICPR

XP-SWMM

HEC-RAS

ASAD

PROFESSIONAL PROFILE

Bryant A. King, PE is the Office Leader of DRMP's Tallahassee office and is responsible for overseeing all engineering work, both public and private. He has served in this position since August 2004. He is administratively responsible for all work produced in Tallahassee – including Transportation, Civil and Site Design and Water Resource Design. Prior to his relocation to Tallahassee, Mr. King was a Senior Project Manager in the Water Resources department in Orlando, where he was responsible for water resource planning, drainage design, permitting, water quality studies and other stormwater related design projects for both public and private clients. He has been responsible for numerous stormwater and drainage related projects including stormwater retrofits, stormwater master plans, roadway drainage design and bridge hydraulic reports.

Mr. King has been Project Manager and Project Engineer for numerous state and municipal infrastructure and stormwater related projects in Florida. In the past seven years, he has been involved in many transportation and site development projects. His background is in hydraulics and water resources and this has allowed him to interface in many aspects of Civil Engineering design.

RELEVANT PROJECT EXPERIENCE

Professional Engineering Services, Northwest Florida Water Management District, Multiple Counties, Florida: Mr. King served as Project Manager for this contract. This contract required DRMP to act as an extension of staff on tasks including review of Environmental Resource Permits, beta testing e-permitting portals and consulting for additional rule making. DRMP has maintained this Contract with NFWFMD for 3 years and has executed 6 Task Orders for this Contract.

Districtwide NPDES Consultant, FDOT District Three, Florida: Project Manager on this continuing services contract. Mr. King is responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and have executed 30 separate Task Orders for this Contract.

2002 NPDES Permit Annual Update, City of Lake Mary, Seminole County, Florida: Project Manager on a single task of continuing contract. This project involved assisting the City in preparation of update documents for Seminole County's annual NPDES permit update by performing all phases of Part I NPDES Permit Application preparation for a local water control district. The work included coordination with several industrial operations, screening for industrial discharges and recommendations to the client on remediation of illicit discharges. It further included mapping boundaries, land uses, water bodies and drainage systems. Mr. King coordinated with inter-governmental authorities and the district's legal authority to review and accept (by the US Environmental Protection Agency) the proposed monitoring program, which was accepted without modification. This Part I Application has been reviewed and accepted by the US Environmental Protection Agency. The proposed monitoring program was accepted without modification.

East Branch Ditch FEMA Map Revision, City of Tallahassee, Leon County, Florida: Tallahassee's Continuing Stormwater Consultant on this \$34,000 Drainage Study project. This project involved completing a master drainage study and using the model to develop the report to complete the FEMA map revision. Mr. King coordinated the preparation of floodplain maps for the floodway, 100 and 500-year floodplains, and flood profiles. Mr. King oversaw the preparation of the FEMA maps and hydraulic profiles and coordinated with FEMA staff during the approval process.

Capital Circle Southeast From Woodville Highway to Tram Road, Blueprint 2000 Intergovernmental Agency, Leon County, Florida: Assistant Project Manager on this \$17 million roadway widening project. This project involved widening of 2.2 miles of two lane road to a six lane urban section. This project involved major stormwater design, intersection design, roadway design, utility coordination, right-of-way acquisition and lighting. Mr. King coordinated with internal and client staff and subconsultants, managed schedules, and coordinated submittal for the project under an accelerated schedule. DRMP was responsible for preparing a 60% plus submittal that including full Right-of-Way mapping. Design was complete in January 2007.

Tartary Drive Stormwater Improvements, City of Tallahassee, Florida: Project Manager on this million Stormwater Improvement study. This project involved the preparation of a preliminary engineering report that addresses flood control and flow attenuation in the Tartary Drive neighborhood in Tallahassee, Florida. The recommended design elements included replacement of a ditch with a culvert outfall, construction of a detention pond on City owned property, and numerous pipe and inlet upgrades to the collection system in the surrounding neighborhood. The report was completed in 2001.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Project Manager responsible for overseeing modeling and identification of current stormwater flood areas and alternatives to remedy the situation as well as the completion of an in-depth analysis report of all findings and alternatives. Made recommendations for cost/benefit, phasing and presentation to City Council.

Davis Park Improvements, City of Cairo, Grady County, Georgia: Project Manager for this Park Design/Stormwater Retrofit project. This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre, Gazebos and stormwater improvements to help alleviate flooding downstream of Davis Park while providing for a user friendly environment. Conceptual phase is complete and has been accepted by City Council. Final Design documents are underway.

Klondike Road Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$250,000 drainage improvement project in Pensacola, Florida. The project involved the piping of an existing ditch through a residential subdivision while still allowing overland flows to be regulated. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit and a De Minimus Dredge and Fill Exemption was secured from the FDEP. Design was completed in 2009. The project was completed in 2010.

Talladega Trail Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$300,000 drainage improvement project in Pensacola, Florida. The project involved the expanding an existing FDOT owned pond and construction of an improved stormwater outfall residential subdivision. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit was secured from NWFWM. Design was completed in 2007. The project was completed in 2009.

Lower East Branch Debris Trap of Tallahassee, City of Tallahassee, Leon County, Florida: Project Manager on this \$100,000 Master Drainage Stormwater Study. This project involved the design and construction of an in line debris trap that captured floatables and debris into a holding basin. Unique features included structural design of a floating skimmer and removable catchments screens and a holding area and access design tailored specifically to the City's maintenance equipment. The project involved development of a design report and permitting through the City of Tallahassee Growth Management Department. An environmental resource permit exemption was obtained from the Florida Department of Environmental Protection. Design was complete in 2000 and construction was complete in 2001.

Harrison Avenue Drainage Improvements, Santa Rosa County Public Works, Santa Rosa County, Florida: Mr. King was Senior Engineer on a recently completed a drainage study and retrofit project design for a 133 acre drainage basin that was subject to repeated flooding of streets, yards, homes and institutional structures. DRMP used adICPR to evaluate the basin, define the existing Level of Service. Based on Santa Rosa County and FEMA requirements, DRMP recommended three alternative solutions and chose the design alternative with the highest cost/benefit ratio. The project was designed to avoid wetland impacts and to mitigate flooding for all off properties except one. The project was completed on an accelerated schedule (less than 6 months NTP to submittal) in order to maintain eligibility for grant funding. The project design was completed in August 2009. Permits were issued in 2009. Construction is pending.

Maneuver Battle Lab, Ft. Benning, Georgia: Project Manager responsible for all site and stormwater design consisting of and design of all new stormwater infrastructure, utilities, site plans, parking areas, loading area to meet the State of Georgia, Base, LEED Standards as well as ACOE standards and requirements. This project is a Design Build project and is currently underway.

Corry Station BEQ, Pensacola, Florida: Project Manager responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base. This project is a Design Build project and is currently underway.

Stringer Subdivision, Wxton and Associates, Thomasville, Georgia: Project Engineer on this \$300,000 Residential Development Site Design project. This project was approximately 50 acres and included 10 acres of infrastructure. Elements of design included minor roadway, site drainage, design of a water amenity including dam, overflow structure and spillway, lot grading scheme, design of entrance turn lane, erosion and sediment control plan. Design was completed in 2006 and Construction completed in 2007.

ABC Liquors, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards for commercial developments

Tropic Winds Condominium Sanitary Sewer Improvements, Bay County, Florida: Responsibilities on this project included abandonment of an existing sanitary pumping station and design of a gravity sanitary sewer, permitting through City of Panama City Beach and FDEP. Project Design is currently underway.

Ben C. Faust, PE

Vice President-in-Charge



Years of Experience
19 Total
10 With Firm

Professional Registration
 Professional Engineer No.
 52624, Florida, 1999

Education
 Bachelor's of Science in Civil
 Engineering, University of
 Central Florida, 1991

Professional Affiliation
 Transportation Committee
 Member, FICE, 2010

State Director for Gulf Coast
 Chapter, Florida Engineering
 Society, 2010

Planning Commission, City
 of Lynn Haven, FL

Certification
 Work Zone Traffic Control

PROFESSIONAL PROFILE

Ben C. Faust, PE is a Vice President of DRMP and Area Leader for oversight of DRMP's engineering operations in the Florida Panhandle. He serves as the project manager for a range of major and minor projects for state, municipal and private clients. His experience includes all phases of project development from planning and programming, through design and land acquisition to final construction.

RELEVANT PROJECT EXPERIENCE

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Vice President-in-Charge for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Faust provided oversight and allocated resources for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** This project includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** The design of this 0.5 mile project included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** The design of this signalization project includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** The design of this project includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This project includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Group 05-01 Resurfacing Design Contract, FDOT District Three, Washington and Gulf Counties, Florida: Project Manager for two resurfacing projects including milling and resurfacing, adding turn lanes, intersection analysis and pedestrian safety improvements.

Group 03-5 Resurfacing and Minor Design Contract, FDOT District Three, Escambia County, Florida: Project Manager for a group of four projects in the Pensacola area including milling and resurfacing, adding turn lanes, intersection redesign, signalization, drainage improvements, sidewalk and public involvement (\$6M construction cost).

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Vice President-in-Charge for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Vice President-in-Charge for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Vice President-in-Charge for the design of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

SR 442 four-laning design (two sections), FDOT District Five, Volusia County, Florida: Department Project Manager Oversight for the preparation of construction plans for reconstruction of SR 442 from the I-95 interchange to US 1. Work consists of roadway, drainage, traffic, structural design, and all environmental permitting. Project design required close coordination with city personnel and with adjacent residents and businesses.

SR 200, FDOT District Five, Citrus County, Florida: Project Manager responsible for oversight for the reconstruction of SR 200 to a f

Continuing General Planning Services for the West Florida Regional Planning Council (WFRPC), Florida: Vice President-in-Charge for General Planning Services for the Florida-Alabama, Okaloosa-Walton and Bay County Transportation Planning Organizations (TPOs). Services under this contract include, TPO administration, unified planning work program, public involvement process, regional coordination, data collection, GIS data analysis, transportation improvement programs, long range transportation plans, transportation system management, freight and goods movement planning, public transportation planning, bicycle/pedestrian systems planning, transportation disadvantaged program, air quality planning, corridor planning and preservation, congestion management process, intelligent transportation system (ITS) planning, and any other services to fulfill the needs of the West Florida Regional Planning Council. DRMP's current tasks under this contact include:

- Regional Freight Network Plan for FL-AL, Okaloosa-Walton & Bay County TPOs
- SR 77 Corridor Management plan
- SR 85 Corridor Management Plan
- Bay County Long Range Transportation Plan
- Bay County Transit Plan Major Update
- Regional ITS Plan for FL-AL, Okaloosa-Walton & Bay County TPOs
- Engineering Services Support for the Bay County TPO Transit Maintenance & Administration Facility

19th Street Traffic Study, City of Panama City, Bay County, Florida: Project coordinator for the study of two miles of 19th Street in Panama City to determine existing and projected traffic capacity requirements and to prepare design improvement recommendations for roadway and intersections based on results of study.

Districtwide Miscellaneous Land Planning Contract, FDOT District Three: Project Manager for a full-service land planning contract to provide support to the Department's right-of-way appraisal and roadway design efforts. Contract includes land planning analysis, development of parcel cure plans and highest-and-best use scenarios and cost estimates.

SR 77 Land Planning Contract, FDOT District Three, Bay County, Florida: Project Manager for a land planning contract to provide support to the Department's right-of-way appraisal efforts for miscellaneous parcels on the SR 77 project in Bay County. Contract includes land planning analysis, development of parcel cure plans, highest-and-best use scenarios, and cost estimates.

Front Beach Road Community Redevelopment Agency, City of Panama City Beach, Florida: Program Manager for a full-service staff extension contract with the City of Panama City Beach. His responsibilities include complete staffing, oversight and administration for the planning, financing, design and construction of \$400M in capital project improvements, including roadway, drainage, utility, streetscaping, parking structures, transit planning and operation, and development and coordination of public/private partnership projects. Also includes the oversight and administration of a significant eminent domain acquisition program. Administration duties include building and maintaining the work program and budget, schedule, and manpower management, funds coordination, and oversight for a full range of consultant service providers.

Tapestry Park PUD, Tapestry Park Land Company, Panama City Beach, Bay County, Florida: Project Manager for a 62-acre PUD in Panama City Beach. Includes master planning, design, construction documents and permit approval for mixed use development including neo-traditional urbanism residential subdivision.

Allen W. Schrupf, PE

Quality Assurance/Quality Control



Years of Experience

34 Total
17 With Firm

Professional Registration/Certification
Professional Engineer No. 41673, Florida, 1989

Professional Engineer No. 29374, Alabama, 2008

Professional Engineer No. 032366, Georgia, 2007

Professional Engineer No. 27051, New Jersey, 1981

Professional Engineer No. 033463, North Carolina, 2007

Professional Engineer No. 25742, South Carolina, 2007

FDOT Maintenance of Traffic Advanced Certification, Florida, No. ORL-AMOT-23171 (10/12/2012)

Education
Bachelor's of Engineering, Stevens Institute of Technology, 1976

Professional Affiliation
American Society of Civil Engineers

American Society of Highway Engineers
Florida Engineering Society,
Florida Institute of Consulting Engineers, Chair - Specifications Review Subcommittee
Florida Greenbook Committee, Chair - Work Zone Safety Subcommittee

Instructor
Advanced Level - Work Zone Traffic Control

Advanced Level Refresher - Work Zone Traffic Control

PROFESSIONAL PROFILE

Allen W. Schrupf, PE is the Director of Quality Control (QC) for the Transportation Division of DRMP. In that role, he is responsible for developing all project quality control plans, supervising all QC reviews, and preparing QC documentation. He also provides these review services to other consulting firms and public agencies on an independent contract basis.

He has also delivered seminars on the methods to administrate an effective Quality Assurance /Quality Control Program at FDOT Project Management Training and APWA conferences. To date, his review efforts number in excess of 500 different transportation projects in study phase and final design phase, and of all sizes and types.

RELEVANT PROJECT EXPERIENCE

RURAL AND URBAN ARTERIALS (FDOT MAINTAINED)

Mr. Schrupf has provided QC services for more than 250 projects throughout nearly all seven of FDOT Districts involving resurfacing, widening, "transportation enhancements", sidewalk improvements, or reconstruction. Some involved bridge replacements (a few were of considerable length), new structures, pedestrian overpasses, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

MUNICIPAL ROADWAYS

Mr. Schrupf has provided QC services for more than 200 projects throughout all of Florida, involving resurfacing, widening, "transportation enhancements", sidewalk improvements, bridge improvements, drainage system improvements, roadway reconstruction and new roadway alignments. Some also involved bridge replacements, new structures, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

CONSTRUCTABILITY REVIEWS

In particular, Mr. Schrupf provided constructability review services under a Districtwide Contract for FDOT, District Five where he reviewed more than 50 projects (totaling \$750 million in construction) in a one-year period.

FINAL DESIGN

Mr. Schrupf has also been in charge of the preparation of all engineering designs, plans, and specifications for improvements to all types of roadways. He has supervised all aspects of design, as well as permitting documents and Post-Design services during construction.

SR 542 Resurfacing Projects, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

I-4, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

US 301, Manatee County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

SR 82, Charlotte County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction project in the historic downtown area of Fort Myers, including scenic lighting enhancements, as well as extensive utility and drainage systems upgrades to serve this area of the city.

US 41 over the Gordon River, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening project from six-lanes to eight-lanes, bridge replacements, and specialized drainage/utility/lighting improvements.

International Drive Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new six-lane arterial with specialized decorative paving details at intersections. The improvements included extensive provisions for development of the area. Plans included potable water, sanitary and reuse lines, as well as coordination with electric and communications utilities.

Pinebrook Road Extension, Sarasota County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new four-lane arterial provided the neighboring developments more direct access to I- 75 since a new interchange was built adjacent to the project. Stormwater management ponds were configured to appear more natural to the area.

Vick Road Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new two-lane arterial, expandable to four-lanes with scenic enhancement elements (decorative brick screen walls and wrought iron fences, as well as extensive landscaping of the medians and roadside areas were part of the improvements).

Rock Springs Road Widening Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from three-lanes to five-lanes, including bicycle path features that will eventually become part of the West Orange Trail that stretches from Winter Garden to northern Apopka.

Mount Dora Alley Reconstruction, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction of an existing urban facility with paving blocks was part of Mount Dora's ongoing program of revitalization of their historic business district.

Immokalee Road Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes, with the capability of expanding to a six-lane facility once warranted due to the rapid development of this section of Collier County.

CR 951 Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes. This involved two projects.

TRAFFIC CONTROL PLANS

In addition to being in complete charge of the projects listed above, Mr. Schrupf has served as the Project Engineer in responsible charge of development of Traffic Control Plans, while allowing the Contractor a means of completing the required improvements. Therefore, he must understand all aspects of the design plans, and their interdependency.

Ivey Lane Widening, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for roadway widening project from two-lanes to four-lanes included the replacement of a large drainage pipe.

Suncoast Parkway - Section 5, Florida's Turnpike Enterprise, Hernando County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

Western Beltway Section 602 and 603, Orange County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

US 192 Widening, Osceola County, Florida: Project Engineer for traffic control plans Widening from four-lanes to six-lanes/realignment.

Seminole County Expressway, Seminole County Expressway Authority, Seminole County, Florida: Project Engineer for traffic control plans of a new expressway with interchanges.

SR 35 Widening, Polk County, Florida: Project Engineer for traffic control plans Widening from three-lanes to five-lanes.

Northern Turnpike Signing Improvements, Florida's Turnpike Enterprise, Osceola, Orange and Lake Counties, Florida: Project Engineer for traffic control plans Replacement of nearly all signing, including several sign structures along about 50 miles of Florida's Turnpike.

Roadway Lighting Replacement on Matthews Bridge over the St. Johns River, Duval County, Florida: Project Engineer for traffic control plans for roadway lighting replacement on Matthews Bridge over the St. Johns River.

Haines Street Expressway Lighting improvements, Duval County, Florida: Project Engineer for traffic control plans for improving lighting along the Haines Street Expressway.

Miscellaneous Minor Design Projects, FDOT District Two, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

Miscellaneous Minor Design Projects, FDOT District Three, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

SR 19 Drainage Improvements, Lake County, Florida: Project Engineer for traffic control plans.

Lake Lorna Doone/Tampa Avenue Drainage Improvements, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for flood relief to improve the existing drainage systems within the vicinity of the project.

Lake of the Woods Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans.

Guernsey Basin Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans for streetscape improvements as well as the addition of traffic calming (roundabout).

CR 540A Widening, Polk County, Florida: Project Engineer for traffic control plans for roadway widening from a two-lane rural roadway to a four-lane urban divided highway.

SR 434 (Alafaya Trail) Widening, Seminole County, Florida: Project Engineer for traffic control plans.

Because of Mr. Schrupf's comprehensive experience in Traffic Control Plans Development, he now serves as a Part-time Instructor in both categories of ongoing technical education:

- Advanced Level - Work Zone Traffic Control
- Advanced Level Refresher – Work Zone Traffic Control

Kenneth R. Kniel, PE

Quality Assurance/Quality Control, Expert Witness



Years of Experience

29 Total

23 With Firm

Professional Registration

Professional Engineer

No. 37300, Florida, 1986

Professional Engineer

No. 037168, North Carolina,

2010

Education

Bachelor's of Science in Civil
Engineering, University of
Florida, 1981

Professional Affiliation

American Society of Civil
Engineers

PROFESSIONAL PROFILE

Kenneth R. Kniel, PE is Vice President in Charge of the Water Resources Department at DRMP. Specifically, he coordinates and manages the stormwater management design and permitting for DRMP as well as serving various municipal and private clients. Mr. Kniel ensures that the appropriate personnel are assigned to the specific tasks and resources are available to complete the various tasks and projects. In addition he serves as the QA/QC reviewer for a significant portion of these projects.

He has been working within the stormwater field for his entire career and is familiar with many of the stormwater models used throughout the state of Florida. Mr. Kniel has worked on a variety of drainage design projects accumulating a tremendous amount of overall stormwater engineering and permitting experience. He has also developed various stormwater computer models used in design of various aspects related to drainage systems.

RELEVANT PROJECT EXPERIENCE

Miscellaneous Drainage Projects, Orange County, Florida: Served as project director for the preliminary design, final design and permitting of various miscellaneous drainage improvements with Orange County. These improvements ranged from swale/piping modifications to the enclosure of a large canal system into two 72-inch pipes. There were multiple assignments that required review, negotiations and ensuring that adequate staff and resources be available to undertake the work effort.

- **Jones Avenue Drainage Improvements:** Roadway drainage improvements and a large stormwater pond located within the Lake Apopka Drainage Basin and coordinated with the St. Johns River Water Management District. The pond site was a joint use facility between the Orange County and the SJRWMD and was design to meet the Lake Apopka TMDL requirements.
- **Nashville Street Drainage Well:** Development of a stormwater pond adjacent to an existing drainage well in order to improve water quality discharges into the well. This project included design permitting and siting of pond with a high existing developed area.
- **Brown Road Phase I & II:** Drainage improvements to an existing roadway that modified the existing culverts to improve and relieve flooding of the roadway and adjacent properties.
- **Miami Road Drainage Improvements:** Preliminary and final design of drainage improvements along Miami road in east Orange County. Included pipe replacement and culvert design to relieve flooding conditions along the roadway.
- **Park Manor Canal/Lawton Chile Elementary School:** This project included the enclosing an existing large canal (Park Manor Outfall Canal) into a piped system. This included detailed modeling and permitting in order to ensure that the surrounding properties and upstream properties were not adversely impacted.
- **Hiawassee Road, Orange County, Florida:** Served as lead project drainage engineer for the widening and new alignment roadway. Portions of the roadway were widening of the existing two lane rural roadway to a four-lane urban roadway and portions of the roadway were on a new alignment. This included the design for six stormwater facilities to serve the roadway. Some of the stormwater facilities were existing county ponds serving adjacent residential developments and these ponds were incorporated into the overall roadway system thereby greatly reducing the amount of additional right-of-way required for the project. The design of the stormwater ponds was for land-locked criteria due to the existing topography within the project limits. Design was completed in 2003.

Stormwater and Environmental Services Continuing Contract, Volusia County, Florida: Vice President-In-Charge for this continuing services contract. Projects under this contract include:

- **Airport Road Stormwater Improvements Project:** Provided engineering design, permitting, bidding, and construction inspection services for this stormwater retrofit project. The project involves incorporation of a wet detention stormwater pond into an existing open drainage system which drains through residential neighborhoods to the Tomoka River. The stormwater pond is designed strictly to treat stormwater in a water quality sensitive basin. Adjacent drainage improvements to a roadway culvert crossing are also necessary to allow for design head loss introduced by the addition of the pond to the existing drainage system. Wetland species plantings along a pond berm are necessary as a mitigation requirement for encroachment into an adjacent wetland, as required by the St. Johns River Water Management District (SJRWMD) for permit acquisition.

Miscellaneous Drainage Projects, City of Orlando, Orange County, Florida: Served as project director for the preliminary design, final design and permitting of various miscellaneous drainage improvements within the City of Orlando. Typically these projects consisted of stormwater retrofits that provide additional water quality benefits as well as providing flooding relief and protection. There were multiple assignments that required review, negotiations and ensuring that adequate staff and resources be available to undertake the work effort.

- **Lake of the Woods Drainage Improvements:** This project included final design, development of construction plans, permitting, bid assistance, and construction inspection. The project involved diversion of stormwater from approximately 40 acres of highly urbanized land out of the Lake of the Woods basin to alleviate flooding problems at the lake. This project was the implementation of Phases II and III of a conceptual diversion plan that was previously developed and permitted by DRMP through the SJRWMD. This project included construction of new storm sewer, reversing flows in existing storm sewer, and retrofitting two existing drainage wells with stormwater treatment units.
- **Lake Lorna Doone/Tampa Avenue Drainage Improvements:** This project provided flood relief as well as basin diversion to improve the existing drainage systems within the vicinity of the project. Also some additional roadway improvements were incorporated into the overall project as well as an outfall for Lake Lorna Doone.
- **Maguire Boulevard/Colonial Drive Improvements:** Served as project coordinator primary QA/QC reviewer for permitting and design of the overall project. This included close coordination with the FDOT District Five in coordinating designs and construction documents. The stormwater design required permitting a basin diversion in order to reduce flooding concerns.
- **Lake Angel/Conroy Basin Drainage Improvements Project, Division Avenue System Extension Phase I:** Served as project coordinator primary QA/QC reviewer for the drainage design, which called for an improved drainage system along Division Avenue from 18th Street to about 600-foot south of Kaley Avenue. This new system, which is connected to the existing system, is intended to help relieve some of the flooding that has occurred in the area.

Watershed Management Program, Southwest Florida Water Management District (SWFWMD), Florida: Development of an overall watershed management plan including detailed modeling, BMP's developments and FEMA flood plain determination. These projects utilize GIS tools and analysis in order to efficiently provide basin analysis and present results in a detailed but accessible database format for future analysis and updating.

Squirrel Prairie Watershed Management Plan, Hernando County, Florida: A 26-square mile study located within Hernando County. Served as project director/coordinator in providing the necessary direction and oversight to other team members. Ensured that there were sufficient resources (manpower & electronic hardware & software) available to meet the needs of the SWFWMD

Deep Creek Gully Stormwater Management Plan, Desoto County, Florida: Development of a detailed model and watershed management plan in order to alleviate flooding in existing developments adjacent to Deep Creek. This included close coordination with Desoto County and existing property owners in evaluating different BMP's in order to provide the most economical design.

Center Ridge Watershed Study, Southwest Florida Water Management District (SWFWMD), Citrus County, Florida: This project included the development of a detailed model and watershed management plan. This included evaluating different BMP's in order to provide the most economical design.

EXPERT WITNESS

US 92 Lake Gertie, Volusia County, Florida: Provided expert review on drainage design and stormwater permitting required for roadway project.

Client: Volusia County
123 W Indiana Avenue
Deland, Florida 32720

Date: June 2009

SR 528 (Beachline) Expert Witness Contract, Florida's Turnpike Enterprise, Florida: Expert on drainage design and stormwater permitting required for project right-of-way takes.

Client: Florida's Turnpike Enterprise
Mile Post 263, Building 5315
Turkey Lake Service Plaza
Ocoee, Florida 34761

Date: October 2005

CR 540A, Polk County, Florida: Provided expert review on drainage design and stormwater permitting required for project right-of-way takes.

Client: Polk County Board of County Commissioners
Transportation Engineering Division
PO Box 9005, Drawer TS02
Bartow, Florida 33831

Date: October 2004



Eric W. Gooch, PE

Stormwater Design/Permitting

Years of Experience

12 Total

2 With Firm

Professional

Registration/Certification

Professional Engineer

No. 61686, Florida, 2004

Professional Engineer

No. 030227, Georgia, 2005

Certification

Georgia Erosion and

Sedimentation Control

Designer

No. 000008912

Education

Bachelors of Science in Civil

Engineering, Florida State

University, 1999

PROFESSIONAL PROFILE

Eric W. Gooch, PE is a Professional Engineer of DRMP and is currently a project engineer for civil, drainage and stormwater projects, Site Development and Design, Recreational projects. His chief responsibility is project design, construction plans and specifications, performing stormwater analysis and preparing drainage calculations and quality assurance/quality control. Mr. Gooch has worked as a sole proprietor engineer and also as a professional engineer for other design firms. He has a vast range of design and construction experience from design of utilities, stormwater infrastructure, subdivisions and associated roadways to the small and large scale site development commercial projects and parking lots. He currently works in DRMP's Tallahassee office and is proficient in such computer programs as AutoCAD, ICPR, ASADv3 and XPSWMM.

RELEVANT PROJECT EXPERIENCE

AmSouth Bank, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards. Permitting for this project included FDEP and City of Tallahassee.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Responsible for modeling and identification of current stormwater flood areas and alternatives to remedy the situation as well as the completion of an in-depth analysis report of all findings and alternatives. There was a combination of ICPR and HEC RAS used on this project to complete the modeling process.

Lonnbladh Road Drainage Study and Design, Leon County, Florida: Responsibilities included the revision of an in depth ICPR basin study and multiple design alternatives to determine a best community fit plan to help reduce flooding on the Northeast quadrant of Tallahassee. Permitting for this project included local agencies, FDEP and ACOE wetlands permitting. This project was located and designed such that the existing stream and wetlands would only be minimally impacted allowing the low flow conditions and wetlands to remain unaltered in the post development condition.

Miccosukee Park Master Plan and Design, Leon County, Florida: Responsible for all master planning for rural sports complex of baseball and soccer fields, tennis courts, basketball courts as well as associated seating and ADA accessibility. The master plan and design included grading, drainage, timber retaining walls and technical specifications for all specialty options provided for.

Orange Avenue Roadway Improvements, Leon County, Florida: Responsible for the design and relocation of water and sewer distribution systems and assisted with the design of stormwater and drainage improvements to the project which consisted of a 2 lane urban road section with open ditch improved to an urban 4 lane section with closed box culvert system along the improved roadway.

Diddie Road Subdivision, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, as well as all other requirements to meet the City of Tallahassee Land development standards for this small residential subdivision.

ABC Liquors, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards for commercial developments.

Select Medical Long Term Acute Care Facility, Leon County, Florida: This project was a large site development project with a subdivision process. Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards.

Davis Park Improvements, City of Cairo, Grady County, Georgia: This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre, Gazebos and stormwater improvements to help alleviate

flooding downstream of Davis Park while providing for a user friendly environment.

St. Marks Trail Vault Restroom Permitting and Design, Leon and Wakulla County, Florida: Responsible for complete design and permitting of prefabricated concrete vault restrooms for FDEP Office of Greenways and Trails in 4 areas. This project involved grading, drainage, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. The permitting in Leon County consisted of Department of Health and Leon County Growth Management Site Plan Approvals, Wakulla County permitting included Site Plan Approval for each site as well as Site Plan Permitting with the City of St. Marks.

Maneuver Battle Lab, Ft. Benning, Georgia: Responsible for all site and stormwater design consisting of and design of all new stormwater infrastructure, utilities, site plans, parking areas, loading area to meet the State of Georgia, Base, LEED Standards as well as ACOE standards and requirements.

Corry Station BEQ, Pensacola, Florida: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base.

Community House Road Improvements, Mecklenburg County, North Carolina: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the City of Charlotte and State of North Carolina standards for the roadway improvements on the Community House Road Improvements. Improvements consisted of the installation of grassed medians, turn lanes and the addition of curb and gutter and sidewalk to the existing roadway alignment.

6th Avenue NW Roadway and Drainage Improvements, City of Cairo, Grady County, Georgia: Responsibilities on this project included design, permitting and stormwater modeling of this access roadway for the northwest neighborhood in the City of Cairo. This project included the design of headwalls, cross drain piping, roadway and associated improvements to facilitate access during storm events. Georgia EPD permitting, ACOE wetland permitting and local agency permits were required for this project.

Lake Underhill Road, Orange County, Florida: Responsible for Master Plan Report and quality control for the Alternatives Report of the ICPR alternatives modeling process. This project consisted of the determination of viability of a four lane road section versus the existing two lane section and closing in a roadside ditch and piping via box culvert to the existing location.

Withlacoochee Bay Trails, Citrus County, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved water and sewer distribution systems (public well and commercial septic system), roadway design including site distance determination, turn lane requirements, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections.

Marjorie Harris Carr Cross Florida Greenway, Dunnellon Trail, Citrus and Marion County, Florida: Responsible for design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved roadway design for the multi purpose trail including site distance determination, turn lane requirements and analysis for the associated parking areas, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. This project included multiple parking areas and extensive utility coordination and permitting.

Navarre Beach Boat Ramp, Navarre, Florida: Responsible for design and permitting of a new boat ramp with associated floating docks and parking area for the Florida Fish and Wildlife Conservation Commission. Amenities include floating docks, 3 lane boat ramp, restroom facility with associated utilities and large parking area for vehicular and trailer parking which accommodates over 100 vehicles and trailers. ACOE and FDEP wetland permitting and local agency permits were required for this project.

Navarre Beach State Park, Navarre, Florida: Amenities included full service campground with bath house, off grade pavilions, Parking Lots, Sidewalks, Walking Trail, restrooms and boardwalk. Responsibilities on this project included, ACOE/FDEP wetland permitting and local agency permitting, roadway design, stormwater and utility design, design of boardwalks and dock into the Santa Rosa Sound, roadway design, ADA accessibility review of all aspects of this project to ensure access as well as construction inspection and as-built certifications.

Nature Coast State Trail, Dixie, Levy and Gilchrist Counties, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP, Bureau of Design and construction. The trail included multiple pedestrian and vehicular bridges as well as the conversion of an existing railroad bridge to a pedestrian bridge across the Suwannee River. ACOE and FDEP wetland permitting and local agency permits were required for this project.

St Marks Boat Ramp, St Marks, Florida: Responsible for design and permitting of a new boat ramp with associated floating docks and parking area for the Florida Fish and Wildlife Conservation Commission. Amenities include floating docks, new 2 lane boat ramp, restroom facility with associated utilities and large parking area for vehicular and trailer parking which accommodates over 50 vehicles and trailers. ACOE and FDEP wetland permitting and local agency permits were required for this project.

Blackwater Heritage Trail & General James A Van Fleet State Trail Vault Restroom Permitting and Design, Santa Rosa, Polk and Lake Counties, Florida: Responsible for complete design and permitting of prefabricated concrete vault restrooms for FDEP Office of Greenways and Trails in 2 different locations along each trail. This project involved grading, drainage, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. The permitting in Santa Rosa County consisted of Department of Health permits only. The permitting in Polk and Lake County consisted of Department of Health permits and site plan permits for both sites as they were located in different counties

John L. Minton, Jr., PE, CFM

Stormwater Design/Permitting, Hydrologic/Hydraulic Modeling, Watershed Studies, Basin Master Plans



Years of Experience
15 Total
15 With Firm

Professional Registration
Professional Engineer No.
54657, Florida, 1999

Certification
Certified Floodplain
Manager, Association of
State Floodplain Managers,
2009

Education
Bachelor's of Science in Civil
Engineering, University of
Florida, 1994

Professional Affiliations
American Society of Civil
Engineers
Florida Stormwater
Association
Association of State
Floodplain Managers
Florida Floodplain Managers
Association

Software Aptitude
AdICPR, (v3.1) with PercPack
HEC-RAS
Ponds
WSPRO
ArcGIS
AutoCAD
MicroStation
ArcHydro

PROFESSIONAL PROFILE

John L. Minton, Jr., PE, CFM is a Project Manager within the Water Resources Department at DRMP. In this role, he is responsible for leading a qualified team of engineers to complete engineering tasks for water resources projects such as watershed and drainage basin studies, stormwater retrofit projects, roadway drainage designs.

Mr. Minton has a depth of experience in surface water modeling and analysis; watershed and drainage basin studies using the latest ArcGIS, LiDAR, floodplain mapping and modeling technologies; roadway and subdivision drainage designs; design, permitting, bidding and construction-related services; and pond siting (PD&E) feasibility analyses. Additionally, he has developed special expertise in the areas of landlocked basin transfers, Total Maximum Daily Load (TMDL) compliance, FEMA map changes, erosion control for stream beds, floodplain storage, bridge scour, water quality in lakes, retrofits of stormwater ponds and storm sewers, innovative stormwater treatment systems, lake improvements and wetlands and restoration and design, outfall structures, and water amenities design in parks.

RELEVANT PROJECT EXPERIENCE

El Nino Weather Disaster CDBG Stormwater Improvements Project, City of Umatilla, Lake County, Florida: Served as Project Manager for this project with funding through a Community Development Block Grant (CDBG). Project included final design, permitting, bid assistance, and construction inspection for a city-wide stormwater improvements project. The project included six mini-projects located throughout downtown, which involved complex retrofit stormwater designs to alleviate flooding problems, while improving water quality and traffic safety.

Eustis/SR 19 Stormwater Improvements Projects, Phases I, II, and III, FDOT District Five and City of Eustis, Lake County, Florida: Served as the Project Manager for three projects, which were jointly funded by FDOT and the City of Eustis. These projects are the recommended improvements completed to date from the SR 19 Stormwater Management Feasibility Study, completed in 1998 by DRMP. Phase I involved developing a specific plan for cleaning and video inspecting all storm sewers throughout downtown Eustis, which totaled to approximately 6.2 miles of pipe. Phases II and III involved design and implementation of storm sewer diversions along Orange Avenue (SR 44) and SR 19 with stormwater ponds for the purposes of flood protection and water quality improvements to Lake Eustis.

Health Village Orlando Campus Stormwater Master Systems, Florida Hospital, Orange County, Florida: Served as Project Manager for stormwater services. In the stormwater master planning, the Orlando Campus has been subdivided into five plan units, each designed with a regional stormwater facility. For this project, Plan Unit 1 was advanced through final design and permitting. This phase involves design of a three wet detention pond system utilizing a linear strip of available land adjacent to I-4. Due to space constraints and topography, the system is designed as three separate ponds with walls around the perimeter and separating the three ponds. The system will be a joint-use facility serving a section of future widened I-4 (partnering with FDOT), and future phases of redevelopment that will occur in construction of the Health Village for a total basin area of 41 acres. Permitting and design challenges include incorporation of two existing drainage wells, and satisfying water quality demands with TMDL requirements.

Lake Eustis - Lakeshore Drive Stormwater Improvement Project, Lake County, Florida: Served as Project Manager for this project with oversight of the major project tasks including final design, surface water permitting, utility data collection and coordination, construction plans production, and construction cost estimating. The project generally involved retrofitting a two-lane collector roadway that traverses along the southeastern shoreline of Lake Eustis to correct localized flooding problems, reduce erosion, improve stormwater collection and conveyance, and provide stormwater treatment were feasible.

West Melbourne Stormwater Needs Assessment for Brevard County, Florida: Serving as Project Manager for this watershed study currently underway. Study includes updates to stormwater inventory based on extensive plans and as-builts searches, development of hydrologic parameters using ArcHydro and other GIS technology, creation of a surface water model in AdICPR, and verification of model with simulation of Tropical Storm Fay.

Stormwater and Environmental Services Continuing Contract, Volusia County, Florida: Project Manager for this continuing services contract. Projects under this contract include:

- **Airport Road Stormwater Improvements Project:** Provided engineering design, permitting, bidding, and construction inspection services for this stormwater retrofit project. The project involves incorporation of a wet detention stormwater pond into an existing open drainage system which drains through residential neighborhoods to the Tomoka River. The stormwater pond is designed strictly to treat stormwater in a water quality sensitive basin. Adjacent drainage improvements to a roadway culvert crossing are also necessary to allow for design head loss introduced by the addition of the pond to the existing drainage system. Wetland species plantings along a pond berm are necessary as a mitigation requirement for encroachment into an adjacent wetland, as required by the St. Johns River Water Management District (SJRWMD) for permit acquisition.
- **North Peninsula Stormwater Improvements Project:** Provided engineering design, permitting, bidding, and construction inspection services for this stormwater retrofit project. The project actually includes three mini-projects on three residential streets in close proximity; namely River Street, Pinta Street, and Aqua Vista Drive. The residents along these streets have endured chronic street, yard, and some structural flooding, due to lack of adequate drainage systems. These projects involve construction of storm sewer systems connecting depressional areas prone to flooding to existing reliable storm sewer systems, which drain westward to the Halifax River. In order to mitigate the effects of increasing flow rates through the existing storm outfalls, on-line exfiltration systems were integrated into the proposed storm sewers. Weir structures were designed within some of the inlets to hold water back in the exfiltration trench sections to maximize the benefits of stormwater infiltration. Special concrete aprons were designed for the inlets to facilitate periodic cleaning of the grates with streetsweeping equipment. A permit exemption was acquired from the St. Johns River Water Management District (SJRWMD) for this project by demonstrating a benefit to drainage conditions without significantly altering drainage patterns.

Continuing Stormwater Engineering Contract, City of Mount Dora, Florida: Serving as project manager various stormwater improvement projects.

- **Gilbert Park Drainage and Landscape Improvements, Lake County, Florida:** Served as Project Engineer for this project, which involved replacing an existing open ditch drainage system through a residential and park area into a closed pipe system. Other project components included retrofitting a depressional area into a wet detention stormwater facility; reconstruction of a section of the open ditch through the park into a stream amenity with rockscaping, pedestrian bridge, and overlooks; and landscaping of five themed gardens along the stream. The project task assignments included final design, development of construction plans, permitting, bid assistance, and construction inspection.
- **Lake Gertrude Drainage Basin Study, Lake County, Florida:** Served as the Project Manager for a study involving a comprehensive analysis of surface water and groundwater flow systems in the 1,441-acre Lake Gertrude drainage basin in order to identify, quantify, and compare potential pollutant sources and flooding problems. A number of recommended capital improvements were identified in the study and several improvements have been designed and completed subsequent to the study. The study cost was approximately \$120,000 and was completed in 2000.
- **Lake John Stormwater Improvements, Lake County, Florida:** Project Manager for this retrofit project that specifically involved the expansion and re-shaping of the existing Lake John, a series of three lobes that at times function as one lake. The project increased the size and depth of these lobes to increase flood protection as well as improve water quality for a 364 acre basin that ultimately discharges into Lake Gertrude. In addition to the improvements to Lake John and outfall system constructed along Mt. Dora Road, improvements to the existing outfall system from Dogwood Mountain pond were incorporated to the overall project. Dogwood Mountain pond had chronic flooding problems associated the outfall from Lake John as well as existing outfalls constraints. The addition of a CDS stormwater treatment unit within the outfall will provide pollutant removal for the inflows to Lake Gertrude.
- **Other projects:** Sixth Avenue Stormwater and Utilities Improvements
Lake Gertrude Outfall Replacement
Goat Pond Retrofit
Fourth Avenue Stormwater Improvements

Continuing Stormwater Contract, City of Orlando, Orange County, Florida: Served as project manager for the preliminary design, final design and permitting of various miscellaneous drainage improvements within the City of Orlando. Typically these projects consisted of stormwater retrofits that provide additional water quality benefits as well as providing flooding relief and protection. There were multiple assignments that required review, negotiations and ensuring that adequate staff and resources be available to undertake the work effort.

- **Lake of the Woods Drainage Improvements Project, Orange County, Florida:** Served as Project Manager with project task assignments including final design, development of construction plans, permitting, bid assistance, and construction inspection. The project involved diversion of stormwater from approximately 40 acres of highly urbanized land out of the Lake of the Woods basin to alleviate flooding problems at the lake. This project was the implementation of Phases II and III of a conceptual diversion plan that was previously developed and permitted by DRMP through the SJRWMD. This project included construction of new storm sewer, reversing flows in existing storm sewer, and retrofitting two existing drainage wells with stormwater treatment units.



Travis N. Shannon, EI

Stormwater Design/Permitting, Hydrologic/Hydraulic Modeling/Watesehd Studies, Basin Master Plans

Years of Experience

5.0 Total

5.0 With Firm

Professional

Registration/Certification

Engineer Intern No.

1100012073, Florida, 2007

Education

Bachelor's of Science in Civil

Engineering, Florida State

University, 2007

Software Aptitude

AutoCADD

MicroStation V8 & XM

Geopak

Geopak Drainage

ASAD

AdICPR

AdICPR Perc Pack

HEC-RAS

HY-8

Modret

ArcMap GIS

Microsoft Project

CRASH

PROFESSIONAL PROFILE

Travis N. Shannon, EI is currently a project engineer for drainage and stormwater projects in the Tallahassee office. He is experienced with roadway construction, widening, drainage improvements, and quantity computation books. His duties include analysis and design as well as plans production. Before getting his degree, Travis worked as an engineering technician in DRMP's Panama City office. Upon graduation, he moved to the Orlando DRMP office where he participated in the PE training program. He worked in the water resources and transportation departments for approximately one year before moving to Tallahassee.

RELEVANT PROJECT EXPERIENCE

EMC Monitoring, FDOT Central Office, Florida: Engineer responsible for the day to day management of the event mean concentration monitoring for rural road basis in Florida's panhandle. This included the selection of two monitoring sites, implementation, equipment installation, sample collection and data reporting for this ongoing project.

District Wide NPDES Consultant, FDOT District Three, Florida: Engineer responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and has executed 30 separate Task Orders for this Contract.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Engineer responsible for preliminary modeling and field reviews for the identification of existing stormwater flood prone areas and proposed alternatives to remedy any problems. Recommendations from the cost / benefit analysis and phasing were presented to the City Council for implementation. The Master Plan was completed in 2009.

Buchanan Street Drainage Improvements, City of Cairo, Grady County, Georgia: Engineer responsible for preliminary modeling and field reviews for the culvert upgrade under Buchanan Street in Cairo, Georgia. Project was an emergency response to flooding caused during Tropical Storm Fay in September 2008.

Maneuver Battle Lab, Ft. Benning, Georgia: Drainage project engineer for this building and parking lot addition inside Fort Benning, Georgia. Responsible for the design of the entire new stormwater infrastructure to meet the State of Georgia, Base, and LEED criteria as well as ACOE standards and requirements. This project is a Design Build project and is currently underway.

Corry Station BEQ, Pensacola, Florida: Drainage project engineer responsible for all stormwater design which consisted of the analysis of the existing systems to determine service levels and the design of the stormwater management facilities and the collection and conveyance systems to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base. This project is a Design Build project and is currently underway.

Dairy Queen, City of Panama City Beach, Bay County, Florida: Engineer for the civil site work for a proposed Dairy Queen in the City of Panama City Beach, Fl. Responsibilities included producing the civil construction plans for the site and necessary permits as well as the design of the utility system, stormwater conveyance system, pavement typical section, signage layout, and erosion & sediment control measures.

Finding of Necessity Report, City of Parker, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Finding of Necessity Report, City of Cedar Grove, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

SR 10 (US 90) over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Drainage Project Engineer for the 1617-foot long bridge replacement project. This project includes short spans to accommodate difficult construction access. Project challenges include scour, constructability issues with shallow water depths, environmental constraints and existing remnant pile removal. Existing concrete bridge was reused as an artificial reef. Responsibilities included preparation of Bridge Hydraulics Report, No-Rise Engineering Certification, drainage report, calculations and construction plans.

Ebinport Road Widening, SCDOT, York County, South Carolina: Drainage Engineer for a two-mile roadway widening project on Ebinport Road from Cherry Road to India Hook Road in Rock Hill, SC. Responsibilities included designing the secondary collection system and the erosion and sediment control measures such as sediment traps and sediment basins.

Traffic Safety Studies, FDOT District Three, Okaloosa County, Florida: Performed a field review and traffic analysis and prepared a safety study report for three intersections in the City of Crestview in Okaloosa County, Florida. These intersections were part of the District Wide 5% Report – High Crash Spot Project. The intersections included SR 85 at Courthouse Terrace (M.P. 18.342), SR 85 at Courthouse Terrace (M.P. 18.367), and SR 85 at Brett Street. Responsibilities included assembling FHP crash data, calculating crash costs, identifying safety improvements, and estimating a cost-to-benefit ratio for each improvement.

Aiken County Road Paving PES, Aiken County, South Carolina: Engineer responsible for the stormwater and erosion & sediment control design for three separate dirt road paving projects in Aiken County, South Carolina – Aspen Court, Greenbush Street and Broadway Avenue. Specific responsibilities included the design of the collection and conveyance systems as well as the temporary sediment traps and sediment basins.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Served as Drainage Project Engineer responsible for the Pond Siting Report, design of onsite and offsite collections systems, design of the stormwater management facilities, hydraulics report and calculations, and all necessary drainage construction plans per FDOT requirements. The project design consisted of a 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor.

Capital Circle SE, Blueprint 2000, Leon County, Florida: Drainage engineer for this 3.1 mile, design build, roadway widening project, which included the expansion of a rural two lane road to an urban six lane section with curb and gutter and sidewalks. Responsibilities included the design of the stormwater management facilities and secondary collection systems, plans production, shop drawings reviews, and extensive coordination and field visits with the contractor. This project was completed in 2010.

District Wide Miscellaneous Safety Contract, FDOT District Three: Drainage Project Engineer for a variety of safety projects throughout the District as part of a district wide safety contract. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Responsibilities primarily included drainage reviews for any project which was impacting the hydrology or drainage infrastructure.

- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** This 0.5 mile roadway project included the addition of east and westbound left turn lanes along SR 267. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 292. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 173. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 30A at Lyndell Lane, FDOT District Three, Bay County, Florida:** This roadway project included the addition of a right turn lane along SR 30A onto Lyndell Lane. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This roadway project included the addition of paved shoulders on this high risk rural road. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.

Scott A. Garth, PE

Hydrologic/Hydraulic Modeling, Watershed Studies



Years of Experience

19 Total
16 With Firm

Professional Registration
Professional Engineer No.
54018, Florida, 1999

Education
Bachelor's of Science in Civil
Engineering, University of
South Florida, 1993
Associates of Arts, Florida
College, 1989

Professional Affiliation
American Society of Civil
Engineers
Florida Engineering Society

Certification
Advanced Maintenance of
Traffic - FDOT

Software Aptitude
MicroStation
GEOPAK
ICPR
PONDS
ASAD
HY 8 - Culvert Analysis
AutoCAD
HEC- RAS
WSPRO
XP-SWMM
EPA-SWMM
HCS-SWMM
FDOT Storm Tabs

PROFESSIONAL PROFILE

Scott A. Garth, PE is a Project Manager in the Water Resources Division of DRMP. This group provides stormwater management design and permitting for other Divisions within DRMP as well as serving various municipal and private clients.

Mr. Garth has been working within the stormwater field for his entire career and is familiar with many of the stormwater models used throughout the state of Florida including AdICPR, Ponds, Modret, XPSWMM, and HEC-RAS. Mr. Garth also has extensive experience with incorporating Best Management Practices and erosion control for water quality. Mr. Garth has worked on many different types of drainage design projects accumulating a tremendous amount of overall stormwater engineering and permitting experience.

RELEVANT PROJECT EXPERIENCE

Lake Seminole Basin 6 Peer Review, Pinellas County, Florida: Project Manager and Lead Drainage Reviewer for a Peer Review for a water quality retrofit project involving pond modifications, storm sewer diversion piping and alum treatment. The review focused on drainage design, FDOT and FDEP permitting, constructability and geotechnical exploration.

Continuous Simulation Modeling, South Florida Water Management District: Served as Project Engineer for the continuous simulation analysis of seven unique site developments within the SWFMD. Analysis was performed using the Ponds software.

Lake Roberta Urban Lake Rescue, City of Tampa, Hillsborough County, Florida: Served as project manager and drainage designer for the installation of a sediment trap and associated storm sewer. Project also included lake regarding to improve circulation. Other water quality components included a littoral shelf design, vegetative plantings and removal of nuisance vegetation. The project included funding from the SWFWMD as part of the SWIM program. Permitting included the SWFWMD, HCEPC and the FDEP.

Audubon Park Floodplain Study, City of Orlando, Orange County, Florida: Served as Lead Modeler, and modeled using AdICPR the 100-year floodplain of four lakes in the Audubon Park area of Orlando. Analysis included developing hydrology, establishing starting water elevations, researching historical high waters, establishing a tailwater. Model included drainage wells.

Spanishtown Creek Basin Study, City of Tampa, Florida: Served as Project Manager and Engineer of Record for a 550-acre stormwater basin study in a heavily urbanized area of south Tampa. The purpose of the study was to recommend possible solutions to chronic flooding problems within the basin. The computer model XPSWMM was used to model existing conditions and proposed improvement alternatives. Improvement alternatives included both conveyance and storage scenarios with associated water quality benefits. A 2-D add on module was used to develop a Digital Terrain Model (DTM) which was used to graphically depict areas of flooding. The project also included the development of conceptual plans of recommended alternative, cost estimates and utility investigation.

Stormwater Master Plan, University of South Florida (Tampa campus), Hillsborough County, Florida: Served as drainage designer for implementation of various tasks associated with the Stormwater Master Plan. Projects included the design of a large trunkline storm sewer along Maple Drive in the heart of the USF campus. The roadway segment was an existing curb and gutter section with oak trees along the east side. Coordination with utilities and preservation/replacement of existing trees was part of the process. Another task included the expansion and enhancement of an existing pond adjacent to the Fine Arts Building (across from Moffit Cancer Center). The pond enlargement was needed to meet SWFWMD criteria and was designed to be aesthetically pleasing. The pond design included the installation of an impermeable liner in order to maintain a wet pond. A fountain and a conspan arch pedestrian bridge. Other water quality components included a littoral shelf design, vegetative plantings and removal of nuisance vegetation. Finally, Mr. Garth served as drainage engineer for retrofit of an existing drainage issue related to an inlet that was constructed too high to drain the Education Building. A retrofit design was recommended and implemented to correct the issue.

Districtwide Drainage, FDOT District One: Project Manager for multiple drainage and environmental tasks including design, permitting, studies and in-house design support. Various task assignments have included culvert replacements, drainage retrofits, value engineering studies, survey and drainage connection reviews.

Duck Lake Stormwater Modeling, Pasco County, Florida: Under the miscellaneous stormwater contract, served as Project Manager for an update to a SWFWMD basin model for Duck Lake Watershed near Dade City, Florida. The modeling effort included updating an existing ICPR model to recommend improvement alternatives to relieve chronic flooding around Duck Lake.

Birdsong Boulevard/Trout Creek Modeling, Pasco County, Florida: Under the miscellaneous stormwater contract, served as Project Manager for the update to the Trout Creek model in order to recommend improvement alternatives to alleviate chronic flooding within the Kings Landing Subdivision in Wesley Chapel, Florida. Project included coordination with a local airport and Tampa Bay Water.

Lower Sweetwater Creek Wetland Restoration, Hillsborough County, Florida: Project Manager for Wetland Restoration and Water Quality Improvement Project. Responsible for recommendation of Best Management Practices (BMP's) for two unnamed tributaries of Lower Sweetwater Creek, and design and permitting of appropriate BMP's. Duties included analysis of potential upstream impacts, cost-benefit analysis, and production of construction plans and cost estimates for the recommended Gabion weirs and CDS unit. Required permitting included both HCEPC and SWFWMD.

Chancellor Boulevard Culverts, Charlotte County, Florida: Served as lead Drainage Engineer for the replacement of three separate culvert crossings or waterways in Charlotte County. The project included the design of upstream control structures to control discharge to Charlotte Harbor. Permits were secured from the SWFWMD.

Laura Street Improvements, City of Plant City, Florida: Served as Project Manager and Lead Drainage Designer for one mile of urban roadway widening and reconstruction and streetscape. Storm sewer redesign and utility coordination were also a part of the design process. Permits were obtained from the SWFWMD. The project also included organizing and leading a Public Workshop.

Gunn Highway, Hillsborough County, Florida: Served as DRMP Project Manager and Lead Drainage Designer for the widening of one mile of Gunn Highway from Hixon Road to Keystone Crossing Boulevard. Drainage design consisted of one wet pond, one dry pond and modifications to two existing county owned ponds. Coordination with Sickles High School for drainage and traffic flow was also a part of the project. Project design consisted of traffic and drainage analysis and design. The project was permitted through the SWFWMD.

Ybor City Outfall Study, City of Tampa, Hillsborough County, Florida: Served as Project Manager for the analysis of a new outfall to alleviate flooding problems in Ybor City. Analysis was performed using XPSWMM model for the purpose of recommending a final route and pipe size for final design.

15th Street Drainage Improvements, City of Tampa, Hillsborough County, Florida: Served as Project Manager and lead drainage engineer for the implementation of the Ybor Outfall Study. Design included 1500 feet of 72 inch storm sewer and associated utility coordination and design. XPSWMM model was updated for final design and permitting. Permitting was done for the SWFWMD and CSX Railroad.

Ulmerton Road Culvert, Pinellas County, Florida: Served as Project Manger for the design and permitting of a 54- inch cross drain under Ulmerton Road. Project included FDOT and SWFWMD permitting coordination.

Saffold Road Culverts, Hillsborough County, Florida: Project manager for analyzing the crossing of Saffold Road at Dug Creek in Hillsborough County using the County SWMM model for the Little Manatee River. The model was updated to include current conditions and then a recommendation to upgrade crossing to replace 5-84" deteriorated CMP's was made. The study included a cost benefit analysis of box culverts versus a flat slab bridge. The project included Data collection, Hydraulic Analysis of multiple storm events, Meetings, SWFWMD Permitting coordination, Cost estimating, Public Involvement, typical section analysis, Technical Memorandum of recommended alternative and a presentation to the county design review committee for concurrence prior to Design Phase. Design included plans production, permitting and utility coordination.

Downtown Redevelopment, City of Fort Myers, Lee County, Florida: Served as Lead Drainage Engineer for seven miles of storm sewer redesign and permitting through the SFWMD. Project also involved urban streetscape and utility coordination.

Dunedin Isles Drainage Improvements, City of Dunedin, Pinellas County, Florida: Project Manager for drainage improvements to resolve local flooding in a residential neighborhood. Responsible for analysis of existing stormdrain system, design and analysis of recommended stormwater improvements to resolve the flooding issues, and production of construction plans. The project included additional storm drain installation, upgrading of existing system, the addition of a CDS unit, expansion of an existing wet pond, and addition of a new dry pond. The project required coordination with the local golf course in the property acquisition for the proposed dry pond, and SWFWMD permitting.

Jeffrey R. Lance, PSM

Survey/Right-of-Way



Years of Experience

19 Total

8 With Firm

Professional Registration
Professional Surveyor and
Mapper, No. LS5657, Florida,
1996

Education

Bachelor's of Science in
Surveying and Mapping,
University of Florida, 1990

Professional Affiliation
Florida GPS Users Group
Florida Surveying and
Mapping Society

American Congress on
Surveying and Mapping

Software Aptitude

AutoCAD

CAICE

GPSurvey

Trimble Geomatics Office

Pathfinder Pro

EFBP

Vector

Ski, Ski-Pro

PROFESSIONAL PROFILE

Jeffrey R. Lance, PSM serves as DRMP's Survey Office Manager for the Chipley office. In addition, he is responsible for the management of all FDOT District Three survey services and continues to support the firm, statewide, with geodetic surveying support and training.

Mr. Lance has extensive expertise in providing government agencies and private sector clients with specialized surveying and mapping. His experience includes Geodetic Surveying, specializing in Global Positioning System (GPS) applications and network adjustment, including Precise Leveling, automated Hydrographic surveying, Geographic Information System (GIS) applications, and traditional land surveying. His GPS experience has involved all phases of the system and has ranged from small-scale photogrammetric control projects to county and statewide control densification projects.

RELEVANT PROJECT EXPERIENCE

Tapestry Park, Mark Tanney, Bay County, Florida: Project Manager and Lead Civil Engineer involved in the planning, surveying, permitting, engineering design, development and construction inspection of this 57± acre Neighborhood with residential and mixed use development for one of the first Neo-Traditional communities in the Florida panhandle. Working with the developer, a master plan was created for Tapestry Park that includes planning the roadways, utilities and stormwater management systems to allow for this project to be constructed in Phases. The design includes multiple lift stations and a 1500 lineal foot extension of the 12" sanitary force main to the Panama City Beach sewer system.

Breakfast Point Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 1473-acre, \$500,000 boundary, topographic, and wetland survey to support site development in Panama City Beach. This project included the sectional retracement of three sections, analysis of title commitment, boundary survey, high and low quality jurisdictional wetland location of over 16,000 points, and a topographic survey of the entire acreage. Subsequent work included the preparation of legal description for an annexation parcel, boundary surveys of internal parcels for commercial and residential development, and the staking of roadway alignments.

Boggy Creek Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 900-acre gross land area, \$450,000 boundary, topographic, and wetland survey to support future site development in Callaway. This project involved a Mean High Water Line determination prepared to FDEP specifications. Involved the sectional retracement of three sections, the staking of the Mean High Water Line at previously determined elevation and newly determined elevation.

Intracoastal Waterway Mapping Project, The St. Joe Company, Gulf, Bay and Walton Counties, Florida: This survey extended from Choctawhatchee Bay in Walton County to Lake Wimico in Gulf County. The project area also included the Gulf County canal from Port St. Joe north to the Intracoastal Waterway. This project was performed to map the locations of St. Joe ownership adjacent to the Waterway throughout the length of the canals. Of importance was the contiguity of Joe ownership and the identification of gores, gaps, overlaps, hiatus' of descriptions, and of non-Joe ownership – mostly Federal lands used for spoil sites. A field survey was performed with GPS to geo-reference selected section corners and to refine the mapping product ESRI shapefile conversions. The products were delivered as an ESRI ArcGIS 9.2 product.

Pine Log State Forest Survey, FDOT/FDEP, Bay County, Florida: Multiple boundary surveys of over 120 acres were prepared for wetlands mitigation as part of the SR 79 expansion project. Boundary lines were marked per Division of Forestry specifications. Survey included sectional ties and roadway alignment determination.

Telogia Run, The St. Joe Company, Liberty and Gadsden Counties, Florida: Manager overseeing boundary survey for the 26,700 acre area west of Tallahassee. Task items included geodetic survey, sectional surveys, gps and conventional topographic ties, location of Telogia Creek, and a Right-of-Way survey for the Florida Gas Transmission Company pipeline.

ACCL/Bay Properties, Jim Anders– Developer, Bay County, Florida: 108 acre boundary survey with wetland locations prepared to facilitate future development. Included coordination with Gulf Power a

nd Florida Gas Transmission Company to accurately depict Rights-of-Way within the project site.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Provided surveying services for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Specific survey services included: horizontal and vertical control, alignment determination, dtm topography, location of utilities, and cross-sections.

- CR 179A, Holmes County, Florida
- SR 8 at CR 191, Santa Rosa County, Florida
- SR 267 at SR 369, Wakulla County, Florida
- SR 292 at Waycross, Escambia County, Florida
- SR 173 at Bellview, Escambia County, Florida
- SR 8 at SR 89, Santa Rosa County, Florida
- SR 8 at CR 257, Jefferson County, Florida
- SR 30A at Clara Avenue, Bay County, Florida
- SR 30A at Lyndell Lane, Bay County, Florida

SR 10 (US 90) Yellow River Bridge, FDOT District Three, Okaloosa County, Florida: Survey manager responsible for design survey including a channel survey for bridge replacement, alignment re-establishment, utilities location and VVH.

SR 95 (US 29), FDOT District Three, Escambia County, Florida: Survey manager for the 2.5 mile Multilane Reconstruction project. Survey tasks included a full DTM including off-site drainage and conveyances, sectional survey, utilities designating and VVH, and a control survey.

SR 83 (US 331), Walton County in cooperation with FDOT District Three, Florida: Survey manager responsible for full design survey and DTM, wetlands, pond sites, and a control survey along the 4.8 mile corridor.

SR 10 (US 90), FDOT District Three, Jackson County, Florida: Survey Manager for the one-mile long corridor in the Town of Sneads, RRR survey consisting of alignment determination, cross-sections, 2D and 3D topography, and utilities location.

SR 298 (Lillian Hwy), FDOT District Three, Escambia County, Florida: Survey manager for the 3-mile corridor for RRR survey. Included alignment determination, cross-sections, 2d topography, and utilities location.

SR 8/SR 8A (I-10/I-110) Monumentation, FDOT District Three, Escambia County, Florida: Survey Manager responsible for the post-construction monumentation effort of both Interstate corridors and selected side streets: SR 727 (Fairfield Blvd), SR 291 (Davis Hwy), Airport Blvd., and SR 742 (Creighton Road).

SR 173 (Blue Angel Parkway), Escambia County, Florida: 3.5 mile design survey prepared for Escambia County utilizing existing FDOT survey data where available. Extended project limits north and south and added cross-section data and sidestreet topography.

SR 292 (Perdido Keys Road), FDOT District Three, Escambia County, Florida: Project Manager for intersection improvement project. Plans update performed after Hurricane Katrina damage.

SR 377, FDOT District Three, Wakulla County, Florida: Project Manager for 3.83 mile roadway project. Re-established the centerline of survey and associated reference points, cross-sections, and 2D topo.

SR 10 (US 90/90A), FDOT District Three, Escambia County, Florida: Project Manager for the 6.58 mile roadway project. 3R project involving alignment determination, 120+ cross-sections, and 2D topo.

SR 79 Steel Field Road to Washington County, FDOT District Three, Washington County, Florida: Project Manager for three individual boundary survey projects prepared to both FDEP and FDOT specifications. Surveys included geodetic survey with GPS, sectional surveys, pre-determined area calculations, and mapping.

SR 727 3R, FDOT District Three, Escambia County, Florida: Project Manager for the 1.3 mile 3R project. Survey included alignment determination for 2 miles of roadway, 3R cross-sections, and a small area of DTM topo for removal of an existing railroad track.

SR 727 at Vanderbilt Road, FDOT District Three, Escambia County, Florida: Project Manager for the 0.5 mile project. Survey performed a full DTM for the project to support the intersection improvement at Vanderbilt Road.

US 331 (SR 83) Passing Lanes, Walton County, Florida: Project Manager for the three-mile project working for PBSJ. Project included alignment determination and full DTM survey of two separate areas of roadway designated for widening.

SR 30, FDOT District Three, Franklin County, Florida: Project Manager responsible for survey performed for Phoenix Construction. Involved the alignment of 18 miles of roadway and the establishment of benchmarks throughout the project area. Field crews provided cross-sections and staked numerous areas of sheet pile and articulating block in an effort to preserve the roadway from past and future weather related erosion.

Eric M. Brown

Plans Preparation



Years of Experience

12 Total
6 With Firm

Education

Bachelor's of Arts in Visual Communication, American Intercontinental University, Georgia, 2005

Gulf Coast Community College, Introduction to Computer Animation, Florida, 2002

Mechanical and Architectural Drafting Certification, Haney Technical Center, Florida, 1996

AutoCAD Certificate, 1996

Civil 3-D Fundamentals Training, 2008

Software Aptitude

Civil 3D 2009

Land Development Desktop

AutoCAD Map

Raster Design

MicroStation

GEOPAK

ESRI ArcGIS

BlueMarble Geographic Transformer

Google Earth Pro

PROFESSIONAL PROFILE

Eric M. Brown is a Senior Project Designer in DRMP's Panama City Beach office. His responsibilities include designing construction and permitting plans consisting of site layout, stormwater grading and drainage, potable and reclaimed water and wastewater for all sizes of residential, commercial and industrial developments, including marinas, roadway projects and municipal improvement projects for utilities, drainage and recreational facilities. He has been the principal project designer and/or actively participated and contributed to the successful design of hundreds of projects with a total civil infrastructure cost of over \$150 million.

He is also highly skilled in AutoCAD Map, Land Development Desktop, Raster Design and has several years experience working with GIS software. In addition to his technical skills, Eric Brown is familiar with most construction practices and permitting procedures. Furthermore, he has prepared numerous surveys and plats, created cost estimates and performed daily construction inspection.

RELEVANT PROJECT EXPERIENCE

Pier Park Beach Front Parking Concept Plan, Panama City Beach, Bay County, Florida: Project Designer responsible for the conceptual retrofit layout for new on-street parking areas at Pier Park which would conform with future C.R.A. roadway improvements and on-going pier construction.

A.L. Kinsaul Recreational Park and Leslie Porter Park Boat Ramp, City of Lynn Haven, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for renovations and additions to city owned recreational parks. The scope included multiple boat and jet-ski slips, docks, two ball fields, soccer field, concession and outdoor entertainment facilities. Also, access, drainage, utility and safety upgrades for the existing sites were provided. In addition to local and state regulatory permit requirements, this project also included FDEP environmental permit plans for dredging and filling plus Sovereign Submerged Land Lease plans.

Bay Point Golf Resort Roadway Overlay and Golf Cart Path, Bay Point Resort, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for resurfacing of approximately 5.0 miles of roadway (Bay Point Road, Marlin Circle and Wahoo Road at the Bay Point Resort. This work was done as part of a 10-year maintenance engineering contract. Other aspects of this work included utility and drainage improvements, several miles of golf cart paths, marina expansions, maintenance dredging and conceptual layouts. In addition to local and state regulatory permit requirements, this project also included DEP environmental permit plans for dredging and filling plus Sovereign Submerged Land Lease plans.

One-Source Wire Distribution Facility, 1-Source Wire and Cable, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 7.5+/- acre industrial distribution facility. The design consisted of a 50,000 sf distribution warehouse terminal building with eight loading docks and ramps. The site was designed to provide concurrent access, turning movements, staging/storage and loading/unloading of multiple semi-trailer trucks in a comfortable and safe manner. The use of standard and heavy duty asphalts and concretes were utilized to handle the different vehicular use areas. The plans included water waste water services and the drainage infrastructure was also designed to accommodate the high demands of the largely impervious site, including rood drain trunk lines, sumped loading dock trench drains with heavy duty grates and concrete curb flumes with energy dissipaters to reduce erosion velocities at storm water pond sheet flow entrance points.

Mercury Marine Research and Development Facility, Brunswick Corporation, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 14+/- acre research and development facility. The design consisted of a 32000 sq. ft. Research and Development building with support two support buildings, 100+ boat slip marina, above ground fuel storage area and two concrete travel lift piers with four boat ramps and two wooden piers totaling 450' in length. The fast track design-build project was strategically sited based on Highway proximity, physical local access encumbrances, bay and gulf access vicinity and hurricane protection. The challenging topographic conditions and traveling boat lift slope requirements were addressed by creative site design and building placement in relation to travel lift piers. Environmental dredge and fill plus sovereign submerged land lease permit plans were also in the design scope along with re-zoning, Rights-of-Way abandonment and adjacent p

Detailed coordination regarding specific boat widths, drafts and lengths were required during marina design along with additional site specific specifications to ensure employee and environmental safety. Additional off-site improvements and parcel acquisitions were also required to design an oversize truck route plan. Other aspects of the plans included channel dredging, channel marking and break-water design.

Taco Bell Restaurant, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 2,860 sq. ft. drive through restaurant for PJ Enterprises, Inc. The 0.9 +/- acre project consisted of site, drainage and utility infrastructure design with off-site access and utility improvements meeting FDOT and local development requirements while addressing stringent corporate franchise design requirements. The particular prototype building design selected for the site was at the time the only one in existence outside of Las Vegas, Nevada.

Lynn Haven United Methodist Church, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 41.5 +/- acre church complex. The project consisted of 37000 sq. ft. worship and education center and a planned 18000 sq. ft. future expansion. Site infrastructure consists of a 3.5 +/- acre parking area and a 1.7 +/- acre overflow parking area. A network of drainage inlets and piping was designed for the parking areas and roof drains along with a total of 1.25 +/- acres in storm water management areas. Water and waster systems were also designed to accommodate the future needs of the church. In addition to local and state regulatory permit requirements, this project also included a comprehensive environmental plan for wetland dredging and filling along with wetland restoration and creation utilizing earthen check dams.

Maintenance Hangar at Panama City/Bay County International Airport, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a private jet maintenance hangar at the PC/Bay Co International Airport for a local race car team owner, business owner and developer. The project consisted of retro-fitting an existing site with water and sewer infrastructure and providing secure parking with gated access.

Bay County/TDC Beach Renourishment Project, Bay County, Florida: Project Designer responsible for designing the storm water outfall systems and coordinating the design of erosion control plans for 17.5 +/- miles of beach for the Panama City Beach renourishment project to alleviate unregulated pollution and storm water discharge entering the Gulf of Mexico. The project reestablishing the erosion control line and beach dune system by bring in over 8 million cubic yards of suitable sand from multiple submerged borrow sites. In addition to the NPDES requirements, the design consisted of identifying, collecting and treating all outfalls greater than 4" in diameter that discharged directly to the beach and installing/modifying hundreds of drainage outfall structures along the beach. This work was coordinated with Coastal Planning and Engineering, Inc. and was one of the largest beach erosion control project ever built under a single contract.

Warrington Elementary School Addition, Escambia County School Board, Escambia County, Florida: Project designer responsible for developing construction plans for a building addition at Warrington Elementary for. The project was a fast paced Design/Build project that included design of new infrastructure & the retro-fitting of existing infrastructure. In addition to site, drainage & utility improvements a covered sidewalk was also incorporated to provide accessibility from existing school buildings to the new stand-alone addition.

Pelican Pointe Golf Course Cart Paths, Bay County, Florida: Project designer responsible for developing construction plans for a concrete golf cart path extension. The 7250 +/- L.F. cart path was designed to avoid environmentally significant areas and limit the disturbance to the existing golf course while maintaining existing surface water flow patterns.

Gulf Beach Highway Sidewalks, Escambia County, Florida: Project designer responsible for developing construction plans for five miles of shared use path along Gulf Beach Highway adjacent to Grand Lagoon State Park (CR 292A). The proposed sidewalk was designed with pedestrian amenities at approximately 1/2 mile intervals, including benches, waste receptacles and landscaping. Driveway and intersection improvements were designed to reduce potential pedestrian and vehicular conflicts.

Tyndall Air Force Base Gas and Electrical Easements, Bay County, Florida: Project designer responsible for drawing production management and raster image management to support survey tasks and as-built easements creation for over 26 miles of gas and electrical easements on Tyndall Air Force base.

US Navy Boat Operations Building and Marina, Harrison County, Mississippi: Designer of Record responsible for developing construction plans for a Design/Build project in Pass Christian, MS. The project was a joint venture between the U.S. Navy and Stennis Space Center which consisted of an operations building w/ boat storage and a marina expansion to repair damage by Hurricane Katrina. All construction was designed to meet DOD specifications.

Wild Heron Residential Development and Sharks Tooth Golf Course, Wild Hero, LLC and the Lake Powell Residential Golf Community Development District, Bay County, Florida: Project Designer responsible for supporting several overall and individual aspects of the construction and permitting plans for a master planned 750 +/- acre planned unit development including design support for the Shark's Tooth golf course for the. The project include over 11 miles of roadway and multi-span bridges, integrated and innovative storm water management features with water and waste water systems for several along Lake Powell, a designated Outstanding Florida Water (OFW). This work was coordinated with EDSA, Inc and Greg Norman's golf course design team.

George P. McLatchey, CEP, PWS

Wetlands/Mitigation/Habitat Restoration



Years of Experience

17 Total
14 With Firm

Certification

Certified Environmental Professional No. 10050430, Academy of Board Certified Environmental Professionals, 2010

Professional Wetland Scientist, No. 1259, Florida, 2000

Certified Professional in Erosion and Sediment Control, No. 2151, Florida 2000

Education

Master's of Science in Soil and Water Science/ Environmental Engineering Sciences, University of Florida, 1995

Bachelor's of Science in Microbiology, University of Florida, 1991

Professional Affiliation
Society of Professional Wetland Scientists

USACOE Certified Wetland Delineator

Florida Association of Environmental Professionals

Publication/Presentation
Regulation of Organic Matter Decomposition and Nutrient Release in a Wetland Soil, *Journal of Environmental Quality*, September 1998

Introduction to State and Federal Wetland Permitting Policies and Procedures, American Public Works Association, 2007

PROFESSIONAL PROFILE

George P. McLatchey, CEP, PWS serves as Department Manager for DRMP's Ecological and Environmental Sciences Department and has been a principal field investigator, staff supervisor, and project manager on several hundred projects. Mr. McLatchey has extensive experience in all aspects of federal and state permitting, National Environmental Policy Act (NEPA) compliance, including Wetland Evaluation Reports (WER), Endangered Species Biological Assessments (ESBA), and Essential Fish Habitat Assessments (EFHA). He is a certified Professional Wetland Scientist (PWS) and Certified Environmental Professional (CEP) and has a Bachelor's and Master's degree from the University of Florida with an emphasis in the discipline of wetland and ecological studies.

Mr. McLatchey's areas of specialization include federal, state, and local environmental permitting, mitigation design, wetland jurisdictional delineations and evaluations, listed species studies/relocation, ecological monitoring, lake water quality studies, and alternative corridors/alignment analysis. Mr. McLatchey has worked extensively on various public and private projects and has been involved with the environmental aspects of the planning, design and permitting of these projects. This project experience has given Mr. McLatchey strong qualifications in the PD&E and EIS process, corridor and alternative analysis, wetland and wildlife evaluations, mitigation design, public involvement, and permitting.

RELEVANT PROJECT EXPERIENCE

Econlockhatchee River Wetland Mitigation Plan and Design, Orange County, Florida: Project Manager for wetland restoration project. Prepared planting plan, performed annual vegetative monitoring and submitted reports to the St. Johns River Water Management District (SRWMD) associated with the restoration and mitigation plan for the Econlockhatchee River for Orange County.

Midway Regional Stormwater Facility, Seminole County, Florida: Environmental Scientist. As part of the CEI team for this large stormwater facility that will supplement regional surface drainage for Seminole County, performed inspections of plant specimens to determine plant health prior to planting. Inspected plantings to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Lake John, City of Mount Dora, Lake County, Florida: Environmental Scientist for a stormwater improvement and ecological restoration project in an urban area. Prepared and secured the St. Johns River Water Management District Permit, developed a planting and monitoring plan for a six acre conservation easement created as mitigation for wetland impacts. Performed planting inspections during construction to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Mitigation Bank Feasibility Study at Paynes Prairie, Alachua County, Florida: Environmental Project Manager for a feasibility study to develop a mitigation bank over a property 767 acres in size. Services included habitat analysis, vegetative mapping, wetland assessment, and listed species studies. Report estimated functional lift to natural resources if mitigation the bank were constructed and anticipated revenue generated with bank.

Jones Avenue Wetland Restoration Project, Orange County, Florida: Environmental Project Manager for wetland restoration project. This project involved the design of a wetland restoration area and establishment of a master drainage plan for a 2.5-square mile watershed connected to Jones Avenue north of Lake Apopka in Zellwood, Florida. The project included development of a 37-acre wetland system that would provide storm water quality improvements and improved wildlife habitat. The project is a joint effort between the St. Johns River Water Management District and Orange County. An Individual Environmental Resource Permit was obtained from the St. Johns River Water Management District and a Notice General Environmental Resource Permit was obtained from the Florida Department of Environmental Protection.

Lake Hart Off-Site Wetland Mitigation Site, Orange County, Florida: Environmental Project Manager for wetland restoration of 110 acres of historic wetlands that were ditched and drained for conversion to cattle pasture. Responsible for hydrologic improvements, wetland planting plan, permitting and monitoring through SFWMD.

Little Wekiva River Erosion Control, Seminole County, Florida: Environmental Project Manager for shoreline protection design and vegetative analysis, for the Little Wekiva River (Seminole County), for City of Altamonte.

Lake Fran Wetland Mitigation Design and Monitoring, Orange County, Florida: Environmental Project Manager for 17 acre wetland restoration project that required vegetative analysis, permitting, and annual monitoring for the City of Orlando. The mitigation design was part of a stormwater treatment facility for surrounding development.

City of Longwood Consumptive Use Permit (CUP) Modification, Seminole County, Florida: Project Manager responsible for conducting wetland assessments for wetland systems within the predicted drawdown of 0.1-foot or greater in the surficial aquifer. Assessment and reporting were necessary to meet the permitting requirements for the St. Johns River Water Management District (SJRWMD) CUP.

Taylor Creek Reservoir Consumption Use Permit: Environmental Monitoring and Program Establishment, City of Cocoa, Brevard County, Florida: Project Manager responsible for preparing the annual vegetative monitoring report required under the SJRWMD permit conditions.

Wellfield Monitoring Consumption Use Permit: Environmental Monitoring and Program Establishment, City of Cocoa, Brevard County, Florida: Project Manager responsible for preparing the annual vegetative monitoring report required under the SJRWMD permit conditions.

Area IV Wellfield Consumption Use Permit, City of Titusville, Brevard County, Florida: Project Manager responsible for conducting wetland assessments for 145 wetland systems within the predicted drawdown of 0.1-foot or greater in the surficial aquifer. Tasks included: baseline ecological monitoring, monitoring well site selection, expert witness testimony, agency coordination, and permitting of new CUP with the SJRWMD for 2.75 mgd.

Hudson and Rima Ridge Wellfield Consumption Use Permit, City of Ormond Beach, Volusia County, Florida: Environmental Monitoring and Program Establishment; Project Manager. Prepared the Annual Vegetative monitoring report required under the SJRWMD permit conditions.

Districtwide NPDES Consulting Services; Florida Department of Transportation, FDOT District Three, Florida: Assist the District with the administration of the NPDES permitting process. Prepare and submit the District's two Phase I Annual Reports for Leon and Escambia counties and the Districts one Phase II Annual Report. Develop recommendations to improve the data collection and overall permitting process.

Water Quality Monitoring, City of Maitland, Orange County, Florida: Environmental Project Manager for water quality sampling and drainage analysis. Managed the production of the FDEP compliant Water Quality Monitoring and Quality Assurance Project Plans. Conducted water quality sampling over ten sampling events and prepared analytical reports. Established stormwater sampling locations that flow into Lake Minnehaha.

Lake Gertrude Water Quality Study, City of Mount Dora, Lake County, Florida: Environmental Project Manager for Basin Study; sampling and analysis of lakes for nutrient loading from point and non-point sources. Performed water quality assessment, land use, and statistical analysis to evaluate pollutant loading and make recommendation for retrofit for stormwater runoff.

Lake McGarity and Lake Theresa Basin Interconnect and Water Quality Sampling, Volusia County, Florida: Environmental Project Manager of water quality sampling and drainage analysis. conducted water quality sampling for numerous lakes in Volusia County and prepared environmental support documents.

Lake Underhill and Lake Barton Interconnect, City of Orlando, Orange County, Florida: Environmental Project Manager for water quality sampling and analysis related to stormwater runoff (Orange County) for the City of Orlando.

Stormwater Sampling Program: Environmental Task Manager for Water Quality Sampling Equipment Installation and Analysis, City of Titusville, Brevard County, Florida: Environmental Project Manager: Developed a water quality spreadsheet model was used to estimate the average annual pollutant loading for existing land uses. The pollutant model also evaluated septic system loading.

Lake Water Quality Assessment, City of Casselberry, Seminole County, Florida: Environmental Project Manager for the water quality sampling and statistical analysis for the City of Casselberry. This study involved evaluation of pollutant loading and recommendation for retrofit treatment for runoff to the lakes within the City of Casselberry.

Titusville Area IV Gopher Tortoise Relocation, City of Titusville, Brevard County, Florida: Environmental Scientist. DRMP was contracted to permit the relocation of gopher tortoises and listed commensal species out of the construction footprint of a the City's new potable water pipeline, running approximately 15 miles, from the Area IV wellfield to the City's water treatment plant. Biologists conducted a gopher tortoise burrow survey and located 100% of the burrows within the construction easement, ultimately locating 111 burrows and observed two eastern indigo snakes. Relocation permit for gopher tortoises was obtained from FFWCC and DRMP staff excavated 37 tortoises, transported them to a certified long-term recipient site, where they were released. No protected commensal species were recovered during the burrow excavations.

Douglas A. Skurski, PWS

Wetlands/Mitigation/Habitat Restoration, GIS Support



Years of Experience

10 Total
8 With Firm

Professional Registration/Certification

Professional Wetland Scientist (PWS) No. 1719
Florida Fish and Wildlife Commission Authorized
Gopher Tortoise Agent; GTA-09-0237A

Education

Master's of Science in Biology, University of Central Florida, 2005

Bachelor's of Science in Zoology; Washington State University, 1998

Professional Training
Wetland Plant Identification, Institute for Wetland and Environmental Education and Research, Inc., 2006

Uniform Mitigation Assessment Method, Field Workshop, Central Florida Association of Environmental Professionals, 2004

UMAM Technical Training, Southwest Florida Water Management District; 2003

Hydric Soils Workshop, Florida Association of Environmental Soil Scientists, 2001

Professional Affiliation
Society of Wetland Scientists

National Association of Environmental Professionals

Florida Association of Environmental Professionals

Central Florida Association of Environmental Professionals

Software Aptitude

ESRI ArcGIS 9.3
ESRI ArcPad 7.0.1
Autodesk Civil 3D
Corpscon
Garmin MapSource
XLSTAT 2008
SPSS 10.0
Trimble Terra Sync
Trimble GPS Correct 2.0

PROFESSIONAL PROFILE

Douglas A. Skurski, PWS is an Environmental Project Manager in DRMP's Ecological and Environmental Sciences Department. His responsibilities include wetland assessments, federal, state, and local permitting, protected species studies, GIS mapping and analyses, land use/cover classification and habitat evaluation, environmental impact mitigation, and staff coordination and management to accomplish environmental tasks. He has worked on numerous projects involving environmental management for both public and private clients.

Through continuing education and professional experience, Mr. Skurski has specialized in animal behavior and wildlife ecology. He is proficient in survey methodologies for many of Florida's listed species, and has developed extensive relationships with personnel from both state and federal wildlife agencies. His knowledge and expertise has proven invaluable to the wildlife permitting efforts of projects throughout the state.

RELEVANT PROJECT EXPERIENCE

Jacksonville Snyder Readiness Center, Department of Military Affairs, Duval County, Florida: GIS Analyst for conversion of surveyed infrastructure data from CAD format to GIS feature classes within a geodatabase compliant with Spatial Data Standards for Facilities Infrastructure and Environment (SDSFIE). GIS data was provided in UTM 17N projection and WGS84 datum, with Federal Graphic Data Committee (FGDC)-compliant metadata. (Subcontractor to G.C. Celio & Sons).

Squirrel Prairie Watershed Study, Southwest Florida Water Management District (SWFWMD), Hernando County, Florida: GIS Analyst. Participated in field reconnaissance in 31 square mile watershed. Assisted in data entry of a GIS database for hydrologic/hydraulic modeling to be used in updating floodplain delineation and development of an overall watershed management plan.

Efficient Transportation Decision Making (ETDM) Project Review, Southwest Florida Water Management District (SWFWMD), Florida: Environmental Scientist. Under a Continuing Services contract, provided Environmental review of multiple planned roadways in Planning and Program Screening phases from the perspective of the Water Management District. Provided comments regarding potential environmental impacts and permitting issues. ETDM screening tool created in GIS through ESRI's ArcIMS

Water Production and Distribution System GIS, City of Maitland, Orange County, Florida: GIS Analyst. Digitized the City's potable water distribution system – including water mains, hydrants, valves, meters, wells, pumps, and ground storage tanks, from existing paper maps using ESRI's ArcGIS 8.3. Haested Method's WaterGems was used to create a hydraulic model of the City's potable water distribution system and make recommendations for future system operations. Trained City's staff in GIS for their future operation and management of the database.

Americans with Disabilities Transition Plan, Collier County, Florida: Performed GIS application development, data post-processing and analysis, and staff training on Trimble GPS equipment operating on an ESRI ArcPad GIS platform, for field data collection. This project identified the location of all sidewalk segments, intersections, public driveways, and bus stop/shelter(s) in unincorporated Collier County, which did not comply with current ADA requirements. The collected data was submitted in a GIS geodatabase, and was utilized to develop cost estimates and a Transition Plan to bring the sidewalk network into ADA compliance.

Titusville Area II, III, and IV Wetland Monitoring and Assessment, City of Titusville, Brevard County, Florida: Environmental Scientist. Designed vegetative monitoring plan and gathered baseline vegetative data for measuring impacts of consumptive use of groundwater for the installation of wells to draw from the groundwater in the Titusville area. GPS locations and attributes of wells and monitoring stations were managed in GIS, and integrated into well field analyses. Performed statistical analyses of collected data and preparation of annual monitoring report submitted to St. Johns River Water Management District (SJRWMD) in compliance with the City of Titusville's Consumptive Use Permit.

Midway Regional Stormwater Facility, Seminole County, Florida: Environmental Scientist. As part of the CEI team for this large stormwater facility that will supplement regional surface drainage for Seminole County, performed inspections of wetland plant specimens to determine plant health prior to planting. Inspected plantings to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Lake John, City of Mount Dora, Lake County, Florida: Environmental Scientist for a stormwater improvement and ecological restoration project in an urban area. Prepared and secured the St. Johns River Water Management District Permit, developed a planting and monitoring plan for a six acre conservation easement created as mitigation for wetland impacts. Performed planting inspections during construction to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Hudson and Rima Ridge Wellfield Consumption Use Permit, City of Ormond Beach, Volusia County, Florida: Environmental Project Manager. Environmental Monitoring and Program Establishment; Conducted initial wetland field assessments and prepared the Annual Vegetative monitoring report required under the SJRWMD permit conditions.

SR 520 54" Water Transmission Main, City of Cocoa, Brevard County, Florida: Environmental Scientist. Prepared and implemented a Bald Eagle Monitoring Plan during construction within proximity of active eagle nests. GPS coordinates of the bald eagle nests imported into GIS, protection zone buffers were offset from the nest locations, and enforcement of those protection zones was incorporated into design and permitting documents. Prepared an Environmental Resource Permit and US Coast Guard Bridge Permit for the construction and installation of a 54" potable water transmission main within FDOT Right-of-Way along SR 520. Coordination with SJRWMD, Army Corps of Engineers (ACOE), United States Fish and Wildlife Service (USFWS), Florida Fish and Wildlife Conservation Commission (FFWCC), US Coast Guard, Florida Department of Environmental Protection (FDEP), and Orange County.

Ohio Avenue Outfall Ditch Channel Stabilization, FDOT District Five, Osceola County, Florida: Environmental Scientist. Coordinated with SFWMD and prepared an Environmental Resource Permit for the stabilization of the outfall ditch with fabric-formed riprap.

Public Works Yard, City of Maitland, Orange County, Florida: Environmental Scientist. Performed gopher tortoise survey for the construction of Public Works and Fire Department buildings.

School Board Bus Transit Facility, Volusia County, Florida: Environmental Project Manager. Performed initial environmental due diligence, including wetland assessment and listed species survey, and prepared SJRWMD and ACOE environmental permits for the development of a bus transit facility.

Disney's Saratoga Springs at Downtown Disney, Walt Disney Imagineering, Orange County, Florida: Environmental Scientist. Performed a Threatened and Endangered Species survey, coordination with FFWCC and USFWS, gopher tortoise survey and offsite tortoise relocation for the demolition of existing villas, re-design of resort community, and construction of 10 new resort villas. GPS coordinates gopher tortoises were imported into GIS and incorporated into design and permitting documents.

Florida Hospital DRI, Florida Hospital, Orange County, Florida: Environmental Scientist for a development of regional impact (DRI) review. Prepared survey methodologies, GIS data query and mapping, GIS data query and mapping, provided environmental documentation including wildlife and wetland survey results, and historical tree survey information within the project limits.

Trinity Preparatory School, Seminole County, Florida: Environmental Scientist. Coordinated with USFWS, FFWCC, and Seminole County Environmental for bald eagle issues. Modified existing ERP to accommodate school expansion. Permitted recreational boardwalk through wetlands.

Palisades Phase III Subdivision, Canam Palisades, Lake County, Florida: Environmental Project Manager. Established and permitted formal wetland delineation with SJRWMD, performed a listed species survey, wetland analysis for elimination and reduction of impacts, and prepared required permitting with SJRWMD, ACOE, and Lake County for the development of the third phase of a residential subdivision and golf course.

Northridge Meadows, Morrison Homes, Seminole County, Florida: Environmental Project Manager. Prepared Conceptual ERP and developed mitigation plan for multi-family townhouse/commercial parcel mixed development. Established jurisdictional wetland line and performed listed species surveys and agency coordination. Coordination with FFWCC for black bear and sandhill crane habitat impacts. Mitigation included preservation of wildlife corridor plus mitigation banking.

Prescott Landing, Brooksville Associates, Hernando County, Florida: Environmental Project Manager. Performed a due diligence evaluation of wetlands on a property slated for development and performed a protected species survey to identify the potential occurrence of protected wildlife species. Established and permitted formal wetland delineation with SWFWMD. Permitted proposed multi-family housing development with SWFWMD, including design of approximately 11 acres of onsite forested wetland creation to offset wetland impacts associated with site development.

Julington Oaks, Forte Macaulay Development Consultants, Volusia County, Florida: Environmental Scientist for approximately 30 acre residential development. Conducted tree surveys for specimen and historic trees by collecting GPS location data based on the Volusia County and City of Edgewater land development codes. Coordinated required permitting for specimen and historic trees within the project limits.

Worthington Creek, Forte Macaulay Development Consultants, Volusia County, Florida: Environmental Scientist for approximately 100 acre residential development. Conducted tree surveys for specimen and historic trees by collecting GPS location data based on the Volusia County and City of Edgewater land development codes. Coordinated required permitting for specimen and historic trees within the project limits.

Joshua W. Miller

GIS Support



Years of Experience

4 Total

4 With Firm

Education

Bachelor's of Science in Civil Engineering, University of Central Florida, 2005

Software Aptitude

MicroStation, Version 8

GeoPAK

ArcGIS 9.3

PROFESSIONAL PROFILE

Joshua W. Miller is a project engineer for DRMP and is currently working in the Water Resources Department. Mr. Miller's duties include drainage design, cost estimates, quantities, watershed studies and plans preparation.

RELEVANT PROJECT EXPERIENCE

Center Ridge Watershed Study, Southwest Florida Water Management District, Citrus County, Florida: Entry level engineer for this project. Tasks included ERP research, creating basic maps in ArcMap, entering data into ArcGIS tables, and taking inventory of hydraulic elements in the field and entering them into ArcPad. The purpose of this study is to examine the existing conditions and make recommendations for improvements if necessary.

Squirrel Prairie Watershed Management Plan, Southwest Florida Water Management District, Hernando and Pasco Counties, Florida: Project engineer for this project. Tasks included researching ERPs for drainage information, use of ArcPad in the field to inventory structures, transferring data from ArcPad and organizing it into structure inventory tables in GIS and coordinating with survey crews to survey other structures that needed information. The purpose of the field visit was to locate and take an inventory of every drainage structure, including weirs, pipes and orifice, which may need to be included in our model.

Deep Creek Gully Watershed Study, Southwest Florida Water Management District, DeSoto County, Florida: Project Engineer for this project. Tasks included ERP research, creating basic maps in ArcMap, entering data into ArcGIS tables, cutting channel cross sections, and inputting data, running, and analyzing the results of a model in AdICPR. Another task performed on this project was coordinating with survey crews to survey other structures that needed information. The purpose of this study is to examine the existing conditions and make recommendations for improvements if necessary.

West Melbourne Watershed Study, City of West Melbourne, Brevard County, Florida: Project Engineer for this project. Tasks included ERP research, creating basic maps in ArcMap, entering data into ArcGIS tables, updating existing city structure information, and running Archydro. The purpose of this study is to examine the existing conditions and make recommendations for improvements if necessary.

SR 408 Improvements Contract 253C, Orlando-Orange County Expressway Authority, Orange County, Florida: Entry level engineer for parts of this project. Mr. Miller worked on cross sections, helped coordinate with others to bring the final bid set together, and worked on the computation book.

SR 429 (Western Beltway) Interchange at US 441, Orlando-Orange County Expressway Authority, Orange County, Florida: Served as an entry level engineer for the Western Expressway Project, located at the northern terminus of SR 429 Part A, including the interchange at US441. Began working on the project while it was nearing 30% completion. Worked on super elevations, gore details, sheet labeling, and quantities.

Osceola Parkway Culvert Project, Osceola County, Florida: As an entry level engineer, Mr. Miller worked on project layout, plan and profile sheets, key sheet, and general notes sheet. The project called for new pipes to be jack and bored under Osceola Parkway in order to improve drainage and prepare for widening of the roadway.

Osceola Parkway Widening from Turnpike to Buenaventura, Osceola County, Florida: As an entry level engineer, Mr. Miller worked on this roadway widening project in a rural area. His tasks included preparing the project layout, plan sheets, stopping sight distance calculations, typical sections, and drainage design for just over 1 mile of roadway widening from four-lanes to six-lanes from the Turnpike to Buenaventura Blvd.

Lake Angel/Conroy Basin Drainage Improvements Project, Division Avenue System Extension, City of Orlando, Orange County, Florida: Entry level engineer for this project. Tasks included drainage design and plan preparation for this project which called for an improved drainage system along Division Ave. from 18th Street to about 600ft south of Kaley Avenue. This new system, which is connected to the existing system, is intended to help relieve some of the flooding that has occurred in the area.

STEVEN J. PEENE, Ph.D.
Principal Scientist – Water Quality



Ph.D., Coastal and Oceanographic Engineering, University of Florida, 1995
M.S., Coastal and Oceanographic Engineering, University of Florida, 1987
B.S., Civil Engineering, Lehigh University, 1982

Dr. Peene has over 18 years of experience in water resources analysis, including watershed planning, evaluation of non-point and point source pollution in surface water systems, hydrologic and water quality modeling for lakes, rivers, estuaries, coastal embayments and offshore, evaluation of impacts to ecological resources in surface waters, and design and implementation of hydrodynamic and water quality monitoring in surface water systems. Dr. Peene is experienced in the management and coordination of large interdisciplinary projects involving public and agency participation. He has managed a number of major projects for clients that examine the effects of physical, chemical and hydrologic changes in surface water systems, both freshwater and estuarine.

Dr. Peene has been involved in the national and local evaluation of impacts to surface waters including development of Total Maximum Daily Loads (TMDL), Environmental Impact Assessments (EIA), and Ecosystem Restoration Projects. He has worked with EPA Region IV on the development of TMDLs in the southeast since 1996, and with the Region IV TMDL coordinator in development of long-term planning and completion of hydrodynamic and water quality models, as well as design and implementation of water quality monitoring programs for use in TMDL development within the southeast States. Dr. Peene is presently working closely with numerous counties and the Florida Department of Transportation (FDOT) to provide technical support on TMDL issues in Florida.

St. Johns River TMDL Modeling Evaluation, First Coast Manufacturers Association, Jacksonville, FL – Provided third-party review of a Total Maximum Daily Load (TMDL) for the Lower St. Johns River basin. The TMDL was developed through an interagency effort by the FDEP, the St. Johns River Water Management District, and the USACE Waterways Experiment Station to define appropriate nutrient levels in the river to prevent excessive algal production.

TMDL Support for Pasco County, FL – Principal in Charge for the development of a countywide TMDL plan to address issues raised by recent TMDLs proposed by FDEP and EPA. Worked with the County to develop technical comments to draft TMDLs and represented the County at FDEP hearings. Recently successful in putting in abeyance Rulemaking by FDEP for a TMDL on Trout Creek which identified unreasonable load reductions that would have impacted the County.

TMDL Support for Hillsborough County, FL – Principal in Charge for the development of a countywide TMDL plan to address issues raised by recent TMDLs proposed by FDEP and EPA. Worked with the County to develop technical comments to draft TMDLs and represented the County at FDEP hearings. Recently successful in putting in abeyance Rulemaking by FDEP for a TMDL on Baker Creek/Mill Creek which identified unreasonable load reductions that would have impacted the County.

TMDL Support for FDOT, FL – Principal in Charge for continuing services contract with FDOT to provide support statewide on TMDL issues. Under the contract a Statewide TMDL plan was developed that identified actions to be taken by FDOT over a two-year window to assure that TMDLs proposed and load allocated assigned to FDOT are fair and equitable. Developed technical comments on draft TMDLs proposed by FDEP and EPA.

TMDL Support, City of Gainesville (Ocklawaha Basin TMDL Review), FL – Conducted review of EPA-developed TMDLs for fecal and total coliform and nutrients and providing comments on behalf of the Gainesville NPDES Partnership, a user group consisting of the City of Gainesville, Alachua County, and the Florida Department of Transportation. Represented the Partnership in ongoing implementation activities, including the formulation of a Basin Management Action Plan.

TMDL Support City of Gainesville (Lake Kanapaha Study), Gainesville, FL – In response to an EPA, developed TMDL in a watershed with very little data, designed a watershed study to determine the water resource type and pollutant sources.

TMDL Support for Leon County, FL – Project Manager in the evaluation of a nutrient TMDL for Lake Lafayette in Tallahassee. The TMDL was developed by FDEP to define nutrient reductions to the Lake from urban loadings. Provided technical review of the TMDL, as well as expert witness and hearing support.

Weeki Wachee Springs MFL (SWFWMD), FL – Project Manager under contract with the Southwest Florida Water Management District (along with subcontractor Janicki Environmental) to develop a 3-D hydrodynamic/thermal model of the Weeki Wachee Spring, its spring run, and the Mud River Estuary where the spring discharges to. The EFDC model was utilized in 3-D mode to project the temperature and salinity intrusion into the spring run under varying spring flow conditions. The goal of the project was to protect the winter thermal refuge created by the spring flows for manatee.

Myakka River TMDL, FL – Project Manager for development of a system of hydrologic, hydrodynamic, and water quality models to determine TMDLs within the Myakka River watershed and the upper areas of Charlotte Harbor. Provided coordination between EPA Region IV, the Southwest Florida Water Management District (SWFWMD) and the FDEP. The project utilizes the EFDC, WASP models for surface water hydrodynamics and water quality, and the WAM model for application within the Myakka Watershed.

Region IV TMDL Support Contract – Primary contract manager on the Region IV TMDL support contract. Performed technical oversight, scheduling, project planning and project management for all TMDL-related work assignments. Provided coordination and planning with Region IV staff and supervisors.

WQBEL for Everglades Protection Areas (SFWMD) – Project Manager for a project to develop multidimensional hydrodynamic and water quality models to assess the fate and transport of phosphorus through Water Protection areas 1, 2, and 3 for the Everglades. The model will be utilized in the development of Water Quality Based Effluent Limitations (WQBEL) for the discharges from the Stormwater Treatment Areas (STA). The project is contracted through the South Florida Water Management District.

TMDL Toolbox Development – Project Manager responsible for development of a series of models, databases, and analyses tools for TMDL development within Region IV. The toolbox is a series of stand-alone models capable of addressing hydrologic, hydrodynamic and water quality conditions within watersheds, rivers, lakes, estuaries, coastal embayments, and offshore.

Brunswick Harbor TMDL Development – Project Manager responsible for the development of a 2-D vertically averaged hydrodynamic and water quality model of Brunswick Harbor (EFDC). The model will be utilized in the development of the TMDL for dissolved oxygen within various 303(d) listed reached in the Lower Harbor. Work was performed under a contract with EPA Region IV.

JANET K. HEARN, P.E.
Senior Engineer



*M.S., Coastal and Oceanographic Engineering, 1987
B.S., Civil Engineering, Oregon State University, 1981
Professional Engineer, Florida No. 47110*

Ms. Hearn is a senior water resources/coastal engineer with experience designing and executing hydrologic, water quality and sediment sampling studies in both freshwater and ocean environments. Study results have been used for instream habitat assessments, flood evaluations, impact assessments, and determination of compliance with NPDES permits.

Ms. Hearn is very knowledgeable about and involved with the TMDL and BMAP programs in Florida and serves as a technical advisor, liaison, and advocate for a number of government clients.

TMDL and BMAP Support for Lee County, FL – Project Manager for review of EPA and FDEP TMDL documents affecting Lee County and for review of nutrient load allocations for implementation of the TMDLs through the Basin Management Action Plan (BMAP process).

TMDL Support for Brevard County, FL - Project Manager for preparation of a TMDL/BMAP Audit and Risk Assessment and GIS database. Identified and mapped status of water body impairments and TMDL and BMAP development for all watersheds in the county. Used audit results to identify TMDL/BMAP activities with potential for future impacts on capital expenditures and recommended specific action items to minimize and manage risk.

Rural Highway Stormwater Sampling, FDOT, FL – Project Manager in charge of development and execution of a stormwater sampling plan for five rural roadway sites. Primary study objective was to determine event mean concentrations of nutrient and metal parameters specifically for road land use. Such data can be used to determine actual pollutant loadings and TMDL allocations for FDOT right-of-ways.

Review of Proposed Statewide Stormwater Rule for FDOT, FL – Project Manager for ongoing reviews of revisions and updates to Florida's proposed Statewide Stormwater Rule. In addition to providing general comments on drafts, specific tasks include detailed review and assessment of the basis for highway EMC values and nitrogen removal efficiencies included in the rule and used for permitting.

TMDL Support for Pasco County, FL – Project Manager for the development of a countywide TMDL plan to address issues raised by recent TMDLs proposed by FDEP and EPA. Worked with the County to develop technical comments to draft TMDLs and represented the County at FDEP hearings. Recently successful in putting in abeyance Rulemaking by FDEP for a TMDL on Trout Creek which identified unreasonable load reductions that would have impacted the County.

TMDL Support for Hillsborough County, FL – Project Manager for the development of a countywide TMDL plan to address issues raised by recent TMDLs proposed by FDEP and EPA. Worked with the County to develop technical comments to draft TMDLs and represented the County at FDEP hearings. Recently successful in putting in abeyance Rulemaking by FDEP for a TMDL on Baker Creek/Mill Creek which identified unreasonable load reductions that would have impacted the County.

TMDL Support for FDOT, FL – Project Manager for comprehensive TMDL support services to the FDOT, including detailed technical review of methodologies used by EPA and FDEP to develop TMDLs and preparation of written comments; review of water quality data used by FDEP to support listing of water bodies as impaired; maintenance of a comprehensive statewide TMDL database; monitoring of BMAP activities statewide; and participation in development of BMAPs.

Florida Department of Transportation (FDOT) Statewide TMDL Plan, FL – Project Manager in charge of development of a comprehensive Statewide TMDL Plan for the FDOT. By providing details regarding the present status and future development schedule of TMDLs, the plan allows the FDOT to engage throughout the TMDL process, from the listing of water bodies through TMDL implementation, thus ensuring that their interests are adequately represented and allocations are justifiable and fair.

Royal Spring Site Restoration, Suwannee County, Suwannee River Water Management District, FL – Responsible for planning, design, engineering, permitting, and construction of site restoration facilities. Project elements included bank stabilization using revegetation, stormwater management, site planning (e.g., parking facilities and traffic control), and stairs and boardwalks for spring access.

Ruth Spring Site Restoration, Lafayette County, Suwannee River Water Management District, FL – Responsible for planning, design, engineering, permitting, and construction of site restoration facilities. Project elements include a cantilevered retaining wall, bank stabilization using revegetation, stormwater management, site planning (e.g., parking facilities and traffic control), and stairs and boardwalks for spring access.

Town of Suwannee Community Park Site Restoration, Dixie County, Suwannee River Water Management District, FL – Responsible for planning, design, engineering, permitting, and construction of shoreline restoration on the Gulf coast. Approximately 350 feet of shoreline were stabilized using a combination of vertical walls with rock toe protection and revegetation using native marsh species.

Hydrographic and Flushing Study Permit Support for Southwest Florida Water Management District – Project Manager and Project Engineer in charge of reviewing hydrographic and flushing studies submitted to SWFWMD in support of environmental resource permits for docking and marina basin facilities.

Hydrographic and Flushing Model, Isla Holbox, Mexico – Responsible for input development and application of the EFDC hydrodynamic and mass transport model to a proposed port facility on the north shore of the Yucatan Peninsula. Model was set up and run for four different basin configurations in order to optimize basin flushing in order to maintain acceptable water quality within the port basin.

Midnight Pass Reopening, FL – Member of project team evaluating feasibility and potential impacts associated with reopening of the pass. Responsibilities included assessment of water quality in Little Sarasota Bay, analysis of historical shoreline change data and assessment of predicted post-construction changes, review and summary of local boater and captain survey information, and preparation of project updates for release to the public.

Duck Island Breakup Hydrology, Exxon Company, AK – Conducted study of 1982 breakup of the West Channel of the Sagavanirktok River on Alaska's North Slope. Results were used to assess the impacts of an additional pipeline river crossing adjacent to the existing road crossing.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

Geotechnical Engineering

Professional Credentials

Bachelor of Science, Civil Engineering, Tri-State University, 1974
Master of Science, Civil Engineering, Oklahoma State University, 1975
Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past Vice-President of North Florida Section, Past President of Tallahassee Chapter, Engineer of the Year of Tallahassee Branch
Florida Engineering Society, Past Vice-President of North Florida Region, Past President of Big Bend Chapter, Elected Fellow, Past Engineer of the Year of Big Bend Chapter
American Society of Transportation Engineers
American Public Works Association
National Society of Professional Engineers
Transportation Research Board (National Academy of Sciences), Past National Committee Chairman Florida A&M University / Florida State University, Chairman of Civil Engineering Advisory Committee
Leon County Board of County Commissioners, Served on Science Advisory Committee

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques
- Familiar with Bridge Scour Investigation and Studies
- Familiar with Non-Destructive Testing for Unknown Foundations Subjected to Scour

Years Experience with EGS: 20

Years Experience with Other Firms: 18

Relevant Experience

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District III – Provides miscellaneous services to the Florida Department of Transportation under a Continuing Geotechnical Services Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

**EGS ENVIRONMENTAL &
GEOTECHNICAL SPECIALISTS, INC.**

Myron L. Hayden, Ph.D., P.E.

SR 79, FDOT District III, Washington County, FL (FDOT FPN: 220773-7-52-01) – This project consisted of the reconstruction and multilane widening of SR 79 from a 2 lane rural roadway to a 4 lane divided highway. The geotechnical studies included roadway investigation, pavement design, evaluation of areas of significant cut and fill, culvert extensions for stormwater management facilities, areas of unsuitable subsoils, and construction considerations.

369 (Crawfordville Highway) Roadway Reconstruction from the Wakulla County Line to L.L. Wallace Road, FDOT District III, Leon County, FL (FDOT FPN 219881-1-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. The Geotechnical investigation also included slope stability analysis of high embankment areas.

SR 30 (US 98) Bridge Replacement over the Aucilla River, FDOT District II, Taylor County, FL (FDOT FPN 210873-2-52-01) – This project consisted of conducting the geotechnical studies for the design of a new bridge over the Aucilla River and reconstruction of approach roadways. The investigation included the analysis of subsoils for roadway reconstruction, culverts, MSE retaining walls, and stormwater management facilities. The Bridge investigation included coring the existing rock to evaluate constructability of the drilled shaft foundations. In addition, an additional study was undertaken to identify and recommend design and construction measures to mitigate the voids encountered in the underlying rock. Because of the environmental sensitivity of the area, coordination with FDOT District III was necessary.

SR 369 (Crawfordville Highway) Roadway Reconstruction from East Ivan Road to the Leon County Line, FDOT District III, Leon County, FL (FDOT FPN 220495-2-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. In addition, the project included the replacement of a bridge culvert and construction of high fill embankments over soft highly organic soils.

SR 20 (US 27) Roadway Improvements from SR 319 (Capital Circle Northeast to the Jefferson County Line, FDOT District III, Leon County, FL (FDOT FPN 409025-1-52-01) – This project consisted of resurfacing and lane additions and drainage improvements to the existing roadway. The investigation included the analysis of subsoils for lane additions, culverts, and storm sewers. The roadway improvements also included the investigation of areas of distressed pavement and developing remedial corrective measures.

POOLE ENGINEERING & SURVEYING, Inc.

2145 Delta Boulevard, Suite 100
Tallahassee, FL 32303

Barbara Jo Bergstrom, P.S.M.
Vice President/Corporate Surveyor

Professional Credentials

Florida Professional Surveyor and Mapper – Registration Number 5754
Advanced AutoCAD Training
Land Development Civil Survey Program
CAICE/EFB Processing

Professional Organizations

Vice President, Florida Surveying and Mapping Society (2008-2009)
Member, National Association of Women in Construction
Past Chapter Committee Chairperson, TRIG STAR Program by The Florida Surveying and Mapping Society
Past President, Northwest Chapter of The Florida Surveying and Mapping Society (2001-2002)
Past Secretary/Treasurer, Northwest Chapter of the Florida Surveying and Mapping Society (2000-2001)

Special Qualifications

- Performing surveying services in the State of Florida for over 25 years
- Specializes in numerous types of surveys to include boundary, topographic, subdivision, construction staking, utility surveys, as-built surveys, traffic signal and design surveys, right of way acquisitions, and specific purpose surveys
- Project Surveyor for many City of Tallahassee design surveys and FDOT resurfacing and traffic design projects
- Supervision of key technicians and staff for providing quality control and assurance of mapping efforts
- Strong history and knowledge of working in Leon County and surrounding areas.

Years experience with Poole Engineering & Surveying, Inc: 11

Years experience with other firms: 18

Relevant Experience

ORANGE AVENUE/WAHNISH WAY IMPROVEMENTS – Project Surveyor on team effort with Crowder Excavation for resurfacing and construction staking of new drainage improvements, stormwater pond and layout of curb and gutter, sidewalks and as-built surveys for City of Tallahassee. (Feb. 2008 to present)

FAMU-DRS SCHOOL – Project Surveyor for Construct Two Group responsible for layout of six new buildings, perimeter fence and verification of newly constructed site improvements. Project involved verification of AutoCAD maps of existing topographic conditions, site grading and site plans produced by others and as-built surveys. (May 2007 to present)

SR 71 – FDOT District Three/Gulf County – Project Surveyor responsible for recovery of horizontal and vertical control, existing right of way and centerline control to re-establish an alignment of approximately 1.2 miles of roadway in connection with a 3R Resurfacing project. (July 2006 to Sept. 2007)

SR 289 – FDOT District Three/Escambia County, FL – Serving as Project Surveyor for establishing an alignment along SR 289 (Ninth Avenue) and Carpenter Creek, this also included collecting data for providing a DTM, check cross-sections and setting references for design of a turn lane. This was part of a joint effort amongst firms which also required right of way acquisition. (July 2006 – December 2006)

SR 77, FDOT District Three/Washington County, FL – Currently serving as Project Surveyor providing recovery of horizontal and vertical control, alignment, extension of baseline referenced and DTM check cross-sections for approximately 3.4 miles of roadway from CR 276 to North of Blue Lake Road. This project was a joint effort with Southeastern Surveying and Mapping Corp. for road widening and preparation of right of way maps. (June 2006 to present)

SR 298, FDOT District Three/ Escambia County, FL – Served as Survey Manager in the design survey for a safety analysis and re-design of the curve located on SR 298 from west of San Sebastian Circle to East of Lapaz Street, approximately 1/2 mile. The design survey required EFB collection for horizontal and vertical location of the existing road surface, re-establishment of the alignment, recovery of project network control and centerline references, processing and checking field notes. (May 2006 – October 2006)

SR 319/SR 263, FDOT District Three/Blueprint 2000, Leon County, FL – Served as Survey Manager in coordinating survey crews for a project widening of SR 263/319 from Tram Road to Woodville Highway, approximately 2.2 miles. The widening required EFB collection for horizontal and vertical location of the existing road surface, processing and checking field notes. Coordination with City of Tallahassee utilities for locates. Project Network for Horizontal and vertical control along the corridor. (June 2005 – May 2006)

SR 10, FDOT District Three, Jackson County, FL - Served as Project Manager for a Design/Build Bridge Replacement. The project required horizontal and vertical location of the existing road surface, bridge cross-sections and detail, wetland location and preparation of T.I.F.F.T easements. A centerline of survey and vertical control was established along the corridor for reconstruction or roadway and bridge replacement. Responsible for Caice processing and DTM modeling of existing topography for engineering design. (Nov. 2004 – Sept. 2005)

SR 85, FDOT District Three, Okaloosa County, FL – Served as Project Manager for a project milling and resurfacing of SR 85 from SR 10 (US 90) to North of CR 188, approximately 2.4 miles. The resurfacing required horizontal and vertical location of the existing road surface, with site specific detail of existing curbs, sidewalks, lane lines. A centerline of survey and vertical control was established along the corridor for reconstruction of roadway and construction new sidewalk ramps. Processed CAICE files and creation of the DTM surface. (April 1999)

CITY OF TALLAHASSEE – Continuing Services Contract – Serving as Project Surveyor for the Stormwater Management Division. Design Surveys to map existing conditions for many flood related projects. Producing survey maps for the Project Engineer to create construction plans and design studies and storm analysis. Projects include Frenchtown Drainage Study, Call & Cadiz Street Drainage Improvements, Meridian Road Drainage Improvements, North Ride Drainage Inventory, Drainage Inventory of Pensacola Street at FSU Stadium, Royal Oaks Ditch Lining Project, O'Brien Drive Drainage Improvements, Salmon Drive Drainage Inventory and Improvements.

THE PRESERVE AT SAN LUIS, Leon County, FL – Project Surveyor for this 36+/- acre subdivision. Boundary and topographic work to include location of trees and natural features. This site currently platted after construction and acceptance of public roadways for a 190 lot subdivision and construction of townhomes. Responsible for supervision of field crews for layout of new buildings on critical setback restrictions. Producing a subdivision plat for recording, staking of lots, centerline of roadways, rights of way and providing asbuilt surveys.

AIRPORT COMMERCE CENTER PUD, Leon County, Florida – Project Surveyor for 76.5 Acre commercial development for St. Joe Development Company. Boundary survey involved section traverse, location of trees, utilities, topography and location of environmentally sensitive areas to preserve within the PUD. This project is viewed as a stepping stone toward future developments in Tallahassee Airport's region for industrial sites.

Similar Project Experience

Through efficient management and leadership, DRMP has garnered the trust of its clients by delivering a quality product while meeting time and budgetary constraints. DRMP is proud of our successful track record in providing consulting services to our clients. We encourage you to call any of our satisfied clients we have listed because we believe you will find a level of confidence in DRMP that is unsurpassed in the industry. The following represents a summary of the projects with which DRMP has been involved with:

Talladega Trail Drainage Improvements Escambia County, Florida

DRMP was tasked by Escambia County to provide a drainage solution to flooding for residents along Talladega Trail. DRMP performed a detailed drainage study and recommended a solution that included expanding an existing FDOT owned Construction Pond and Reconstructing and improving an outfall pipe and downstream surface drainage. The project went to final design and resulted in plans ready to be constructed through the County's Contractor pricing agreement. DRMP secured an Environmental Resource Permit from the NFWFMD. DRMP provided limited inspection and submitted certifications to all permit agencies.

Project Owner/User Agency Representative

Chris Curb
Escambia County
221 Palafox Place, Suite 140
Pensacola, Florida 32501
P: 850-595-3475

Completion Date: 2009

Key Personnel Participation

Bryant A. King, PE – Project Engineer
Ben C. Faust P.E. – Project Director

Klondike Drainage Improvements Escambia County, Florida

DRMP was tasked by Escambia County to provide a drainage solution to flooding in the Deerfield Drive neighborhood in the Klondike Road Area. DRMP performed a detailed drainage study and recommended a solution that included an outfall pipe ranging in size from 36 to 48 inches in diameter. The project went to final design and resulted in development of three phases of construction with plans ready to be constructed through the County's Contractor pricing agreement. DRMP secured an Environmental Resource Permit and a "De Minimus" Dredge and Fill exemption from the Florida Department of Environmental Protection and a Dredge and Fill permit from the U.S. Army Corps of Engineers. DRMP provided limited inspection and submitted certifications to all permit agencies.

Project Owner/User Agency Representative

Maurice Mortata
Escambia County
221 Palafox Place, Suite 140
Pensacola, Florida 32501
P: 850-595-3475

Completion Date: 2009

Key Personnel Participation

Bryant A. King, PE – Project Engineer
Ben C. Faust, PE – Project Director
Travis N. Shannon, EI – Staff Engineer
George P. McLatchey – Environmental Scientist

Davis Park Drainage Improvements City of Cairo, Florida

DRMP was and is currently responsible for the planning, design, permitting, bid services and construction services for this project that provided reconstruction and rehabilitation of Davis Park and the construction of a stormwater facility to solve local street and structural flooding. Phase I of the project included evaluation of three alternatives, preparation of an overall park master plan, and conducting of two public hearings. The park master plan including reconstruction of an existing walking trail, construction of a playground, tree removal and replacement, landscaping, foot bridges and construction of a stormwater pond. The recommended alternative is being designed to local and GADOT standards and will receive an Army Corps of Engineers Dredge and Fill permit, a GA Erosion and Sedimentation Control Permit and a Stream Bank Buffer Permit. DRMP is scoped to provide full bid services and construction administration services to complete the project

Project Owner/User Agency Representative

Chris Addleton
City of Cairo
P.O. Box 29
Cairo, Georgia 39828
P: 229-377-1722 ext 3000

Completion Date: Ongoing

Key Personnel Participation

Bryant A. King, PE – Project Manager
Eric W. Gooch, PE – Project Engineer
Travis N. Shannon, EI – Staff Engineer

Districtwide NPDES Contract FDOT District Three

DRMP is currently employed by FDOT District Three to provide NPDES permit implementation and compliance services. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement.

- Structure inventories and mapping
- Stormwater facility inspections
- Outfall inspections/dry weather screening
- Illicit discharge inspections
- High risk industrial facility inventories and inspections
- Seasonal pollutant load and event mean concentration modeling
- GIS development and maintenance
- Coordination with maintenance forces
- Maintenance work order development
- System retrofit design
- Relational database development, modifications and maintenance
- TMDL and BMAP program coordination
- Stormwater sampling
- Construction permitting
- Construction compliance inspections
- Illicit Discharge Detection and Elimination (IDDE) training
- System mapping and inventories
- Stormwater management plan development
- Public education and outreach

- Public involvement and participation
- Pollution prevention and good housekeeping
- Development of Phase I and Phase II NPDES MS4 Permit annual reports

DRMP responsibilities include:

- Prepared Annual Report Update for FDOT District Three for support on three permits covering six counties.
- Prepared a total of 14 annual report updates.
- Supported District Three in NPDES permit renewals (Phase II and Phase I).
- Updated outfall mapping product for entire District Three system (798 outfalls)

Project Owner/User Agency Representative

Windle Tharp, PE, District Maintenance Engineer
Florida Department of Transportation, District Three
1074 Highway 90
Chipley, Florida 32428
P: 850-415-9649

Completion Date: 2015

Key Personnel Participation

Bryant A. King, PE – Project Manager
Ben C. Faust, PE – Project Director
Travis N. Shannon, EI – Staff Engineer

Professional Engineering Services Northwest Florida Water Management District, Florida

DRMP has provided Professional Engineering Services for the NWFWM District Bureau of Environmental Resource Regulation, providing permit reviews, as-built certification and inspections, environmental field reviews, and technical support for administrative services.

Project Owner/User Agency Representative

Lee Marchman
NWFWM District
The Delaney Center Building, Suite 2-D
2252 Killcarn Center Boulevard
Tallahassee, Florida 32309
P: 850-921-2986

Completion Date: Ongoing

Key Personnel Participation

Bryant A. King, PE – Project Manager
Kenneth Kniel, PE – Project Director
Eric W. Gooch, PE – Project Engineer

Harrison Avenue Drainage Improvements Santa Rosa County, Florida

DRMP recently completed a drainage study and retrofit project design for a 133 acre drainage basin that was subject to repeated flooding of streets, yards, homes and institutional structures. DRMP used adICPR to evaluate the basin, define the existing Level of Service. Based on Santa Rosa County and FEMA requirements, DRMP recommended three alternative solutions and chose the design alternative with the highest cost/benefit ratio. The project was designed to avoid wetland impacts and to mitigate flooding for all off properties except one. The project was completed on an accelerated schedule (less than 6 months NTP to submittal) in order to maintain eligibility for grant funding.

Project Owner/User Agency Representative

Michael Schmidt
Santa Rosa County Public Works Department
6051 Old Bagdad Highway, Suite 300
Milton, Florida 32583
P: 850.891.7100

Completion Date: 2009

Key Personnel Participation

Bryant A. King, PE – Project Engineer
Eric W. Gooch, PE – Project Engineer
Travis N. Shannon, EI – Staff Engineer

6th Avenue Drainage Improvements City of Cairo, Georgia

DRMP was responsible for the planning, design, permitting, grant support, bid services and construction services for this project that provided improved connectivity, transportation, drainage and flood mitigation to a disadvantaged neighborhood in the City of Cairo, Georgia. The project included evaluation of six alternatives, conducting of one workshop and one public hearing. The recommended alternative was designed to GADOT standards and received an Army Corps of Engineers Dredge and Fill permit, a GA Erosion and Sedimentation Control Permit and a Stream Bank Buffer variance. DRMP also prepared a Preliminary Design report to support and obtain Federal Funding under ARRA and provided full bid services and construction administration services to complete the project.

Project Owner/User Agency Representative

Chris Addleton
City of Cairo
P.O. Box 29
Cairo, Georgia 39828
P: 229-377-1722 ext 3000

Completion Date: 2009

Key Personnel Participation

Bryant A. King, PE – Project Manager
Eric W. Gooch, PE – Project Engineer
Travis N. Shannon, EI – Staff Engineer

Lake John Stormwater Improvements City of Mount Dora, Florida

The City of Mount Dora tasked DRMP with completing this design retrofit project through a continuing engineering contract for stormwater services. The project involved proceeding with a stormwater retrofit project that was recommended in the Lake Gertrude Drainage Basin Study conducted by DRMP and completed in 2000. Due to the water quality improvement aspect of this project, DRMP was able to secure a construction and design grant from the Lake County Water Authority (LCWA) in order to defray the cost of the project to the City.

This retrofit project specifically involved expansion and re-shaping of the existing Lake John. Lake John is a series of three lobes that at times function as on lake however much of the time react independently as smaller depressions. The project increased the size and depth of these lobes to increase flood protection as well as improve water quality for a 364 acre basin that ultimately discharges into Lake Gertrude. In addition to the improvements to Lake John and outfall system constructed along Mt. Dora Road, improvements to the existing outfall system from Dogwood Mountain pond were

incorporated to the overall project. Dogwood Mountain pond had chronic flooding problems associated the outfall from Lake John as well as existing outfalls constraints. The addition of a CDS stormwater treatment unit within the outfall will provide pollutant removal for the inflows to Lake Gertrude.

One of the major considerations of this retrofit design was to coordinate and gain support from the surrounding property owners to allow for the improved Lake John. This required several public meetings with area property owners. Improvements to the lake also included a detailed wetland vegetation plan to enhance and promote the natural ecosystem associated with such water bodies and to double as mitigation for all environmental impacts to the project.

Project Owner/User Agency Representative

Mark Rudowske
City of Mount Dora Public Works Department
1250 North Highland Street
Mount Dora, Florida 32757
P: 352.735.7151

Completion Date: 2009

Key Personnel Participation

John L. Minton, PE – Project Manager
Kenneth R. Kniel, PE – Vice President-in-Charge
Allen W. Schrupf, PE – QA/QC
George P. McLatchey, PWS – Environmental Scientist

Sunset Lane Drainage Improvements Hillsborough County, Florida

The project involves the *design and permitting of a stormwater retrofit to alleviate chronic flooding at a residential intersection in Lutz, Florida.* The project involved a brief preliminary engineering phase in order to update and modify an existing hydrologic and hydraulic model to more accurately reflect existing conditions. Final design and permitting through the SWFWMD involve several hundred feet of new storm sewer as well as an improved outfall. DRMP is assisting the County in working directly with the property owners in order to acquire a permanent drainage easement. The project also involves a Public Meeting.

Project Owner/User Agency Representative

Robert Wisemen, PE
Hillsborough County
306 E. Kennedy Blvd
Tampa 33612
P: 813.307.1747

Completion Date: 2010

Key Personnel Participation

Scott A. Garth, PE – Project Manager
Kenneth R. Kniel, PE – Vice President-in-Charge

Dunedin Isles Drainage Improvements City of Dunedin, Florida

This project involved a stormwater retrofit of the Dunedin Isles subdivision which was approximately 100 acres. This project was necessary to relieve chronic flooding problems and to improve water quality discharge to the Hammock Park wetland system and ultimately to Cedar Creek. The project involved a Preliminary Engineering task which involves *pond siting analysis and conceptual*

drainage alternatives. Final Design and Permitting included construction plans and permitting. Numerous utilities were affected and coordinated. Water main and sanitary design was also included as part of this project. The project was a high profile project and included one Public Meeting. Subsurface utility locations were also provided by DRMP. Construction cost is approximated at \$2 million.

Project Owner Representative/User Agency Representative

Jon Everett, PE
City of Dunedin
542 Main Street
Dunedin, Florida 34698
P: 727-298-3177

Completion Date: 2010

Key Personnel Participation

Scott A. Garth, PE – Project Manager
George P. McLatchey, CEP, PWS – Environmental Scientist
Kenneth R. Kniel, PE – Vice President-in-Charge

PROCESS AND PROCEDURES FOR ENSURING CURRENT DESIGN STANDARDS

There are three main processes and procedures related to ensuring that current design standards, codes and regulatory direction are utilized in the project design.

First, our firm is committed to ensuring that junior and senior staff receives adequate training. This includes formal certifications, seminars and webinars, internal training and classes. Anyone attending outside training shares information learned with staff. Current knowledge of codes and regulations is a requirement for Senior Staff that participate in the Projects Quality Control Plan.

Second, knowledge of regulations and codes is not sufficient to achieving final regulatory direction. Relationships with regulatory staff and good communication are vital to getting the intent correct and achieving sound design that meets requirements and is permissible. Our intent is to maintain good relationships with regulatory staff in any agency that has jurisdiction over County work. This may include local Growth Management Departments (City and County), FDOT, FDEP, NFWFMD, Department of Health, USACOE, EPA, Wildlife Agencies and/or FEMA. Our role is to establish a good framework of the project to present to these agencies prior to final design and to clearly document the applicable rules, code or direction that is discussed with Agency personnel in pre-application coordination. This documentation becomes part of the project commitments and supplements the applicable published regulations and code. This information is required to be reviewed as part of the Quality Control Plan prior to a formal QC process.

Finally, and most importantly, a solid quality control plan is most effective in ensuring that standards and regulatory direction are adhered. Good quality control is the best line of defense to ensure that commitments and regulatory direction are met.

DRMP is extremely proud of our reputation for high quality design work for our many clients. DRMP's philosophy is error prevention by starting the job with quality people and completing the job with proper supervision. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. On each

assignment, we do the following to insure that DRMP delivers a high quality design service:

- Develop a comprehensive Project Quality Control Plan specifically tailored to each task.
- Identify a QC Review Team and define their responsibilities.
- Incorporate current QC checklists amended to incorporate any special project requirements.
- Complete a full QC Review of EVERY document that leaves our office, including those prepared by subconsultants.
- Complete Phase Submittal Reports to document the design decisions as they evolve.
- Hold formal audits of QC effort with each submittal (DRMP will provide certification of the effort for County staff). QC materials are available for review at this audit.
- Complete thorough QC efforts associated with Utility Coordination, and Technical Special Provisions, Specifications Package Submittals – all in accordance with internal and client guidelines.
- Complete Project Field Review by QC Review Team staff and provide documentation.

QC of Design Phases: Design phase Quality Control involves a thorough, comprehensive review of all work completed at each phase of design completion (30%, 60%, 90%, Final). This includes checking all materials for:

- Conformance with applicable Design Standards
- Conformance with Client's Needs and Objectives
- Cost-Effective Designs
- Documents can be readily approved by Permitting Agencies
- Documents are suitable for obtaining Fair Bids
- Minimizes potential for Construction Problems

The DRMP QC Manager enlists the help of DRMP's most knowledgeable technical staff for QC review. In addition, DRMP has compiled several QC checklists which have proven invaluable in this work. These lists are an aid to the QC reviewer in organizing and completing a thorough QC review.

Upon completion of each design phase, a complete QC review plan set with all accompanying design documentation is forwarded to the QC Manager. Each sheet of the QC plan set bears the DRMP QC Stamp and is signed at the "A. ORIGINATION" line by the employee responsible for preparing the plan. DRMP's proven QC procedure requires that the QC Manager receive a complete set of all design documents, including all component sets and subconsultant prepared design elements, prior to beginning the review. This process insures that a comprehensive QC review is completed quickly and efficiently.

Once the QC Review is completed, the DRMP QC Manager prepares the QC documentation and delivers the plan set to the Project Manager with copies to DRMP Senior Staff. All sheets are completely "Yellowed Out" or "Redlined" with corrections / comments, and signed & dated in the "B. CHECKED" line by the QC Reviewer. The QC team similarly marks up the Comment Response memo.

During the "CONCURRENCE", "INCORPORATION", and "VERIFICATION" activities, the DRMP QC Manager and QC Reviewer are available to the Project Manager to discuss comments.

The final QC plan set is retained by the DRMP Project Manager and routed to project archives.

Quality Assurance Review: To assure that a complete QC review is accomplished and that all aspects of the QC Policy have been adhered to in its completion, the Project Manager and the QC Manager conduct a "Quality Assurance Review" at the end of each phase review. This QA review confirms that all elements of the design, including those elements prepared by our subconsultants, have undergone a comprehensive and unified QC Review. We verify all Transmittal packages meet scope and County requirements. Particular attention is given to construction cost and duration estimates and specification packages.

Documentation: An important element of the overall QC process is proper documentation. The DRMP QC process requires we document the materials reviewed for each phase of design and retain all check prints, design memoranda, reports, and calculations. The retention period for this material is at least seven years after the time when a project is placed into service, and this period is typically exceeded by the use of off-site archival facilities.

QC Debriefings: Assuring quality is an ongoing process, requiring periodic updates as design and construction methods evolve. Therefore, DRMP QC Manager periodically conducts an internal "QC Debriefing" between members of the QC review staff and the DRMP design staff. The purpose of the debriefing is to review the effectiveness of the QC/QA process, discuss shortcomings and possible improvements and to determine if changes can be made to the process that will insure the QC Review process runs more effectively in the future. The DRMP QC Manager is responsible for documenting and implementing any process improvements.

SPECIAL RESOURCES AND EQUIPMENT

The DRMP team uses and owns a large range of software and equipment including, but not limited to:

Scheduling Software

Microsoft Project
Primavera
SureTrak

Visualization/Graphics

Adobe Illustrator, PhotoShop, InDesign
Corel Draw Suite
Macromedia Dreamweaver
QuarkXpress

Geographic Information System

ArcCAD
ArcView 3.3
ArcGIS Desktop 9.3.1
ArcInfo License
ArcGIS 3D Analyst
ArcGIS Spatial Analyst
ArcGIS Data Interoperability
Arc Editor 9.2
Arc Pad 7.1

Raster Imaging/Digital Mapping

DESCARTES - Raster imaging
SUREMAPS Raster - Digital maps
IRAS/C - Raster imaging

Design

MicroStation J & V8, FDOT 2004 MRS
GeoPak and CivilPak
Bentley XM Versions of WaterCAD, WaterGems,
SewerCAD, StormCAD
Pond Pack 3.2
AutoCAD/Land Desktop, Civil 3D 2009
CAICE 10.1 SP7
XPSWMM

Environmental

MACSTORM - FDOT storm tab sheet generation
Haestad Methods WaterGEMS (including WaterCAD – Water
distribution system analysis
Advanced Interconnected Pond Routing Program (adICPR)
Ponds Version 3.2 - Groundwater/Surface Water Modeling for
stormwater systems
Storm Water Management Model (SWMM)
Hydrologic Engineering Center No. 1 (HEC-1) - Flood hydrograph
generator
Hydrologic Engineering Center No. 2 (HEC-2) - Water surface
profile computations
Hydrologic Engineering Center River Analysis System (HEC-RAS)
Water surface profile computations
WSPRO - Water surface profile computations written by USGS for
the Federal Highway Administration
WSP-2 - Soil Conservation Services water surface profile
computations
HY-8 - Hydraulic analysis of culverts written by the Federal Highway
Administration
TR-55 - Surfacewater model
TR-20 - Surfacewater model
HSPF - Surfacewater model, continuous simulation
WASP - Surfacewater model, continuous simulation
QUAL2E - Surfacewater model, continuous simulation
HYDRAIN - Surfacewater model, continuous simulation
Modflow - Groundwater/Surfacewater model
MODRET - Groundwater/Surfacewater model
WHPA - Groundwater/Surfacewater model

HELP - Groundwater/Surfacewater model
GRITS/STAT - Groundwater/Surfacewater model
NEH-4 - Riverine system
HEC-18 - Riverine system
HEC-20 - Riverine system
HIRE - Riverine system
ASAD - Collection systems and outfalls
PCDRG- Collection systems and outfall
NETWORX - Collection systems and outfalls
HDS-4 - Collection systems and outfalls
HDS-5 - Collection systems and outfalls
HEC-9, 12, 14, 15, 17, 19 - Collection systems

Survey

CAICE
TDS Survey Link - Electronic data collection/transfer
EFBP – Electronic Field Book Processor Suite
Trimble Pathfinder Pro XR DGPS Submeter GPS System

Trimble Pathfinder Office
Trimble Media Mapper
Trimble 5700 Geodetic Survey Receivers
Trimble Geomatics Office Suite
Microsearch Geolab 2001 – Least squares adjustment software
Leica 9500 Geodetic Survey Receivers
SKI / SKI-Pro – Leica GPS Postprocessing and RTK software
STARNET / STARLEV- Least squares adjustment horizontal/vertical
Prismless/Reflectorless Total Stations
Auto Levels
Digital Levels
Magnetic Locators
Data Collectors

- Windows CE
- TDS Rangers
- Husky FS/2, FS/3
- Allegra

Cable Locators
Jon Boat
4x4 Vehicles

Willingness to Meet Schedule and Budget Requirements

SCHEDULING PROJECTS

Proper scheduling and timely completion of tasks and subtasks are of critical importance. As the prime consultant, we will be solely responsible for the project schedule and the quality of the work product. To this end, it is vital that subconsultants be kept informed so that they also comply with our scheduling and quality commitments. With this in mind, we will schedule work tasks to get required data to our subconsultants as soon as possible, and we will provide all team members with schedule updates at regular intervals.

Bryant A. King, PE the DRMP Team Project Manager, will serve as the primary point of contact with the Department concerning contract administration and task assignments. Mr. King will receive all written or verbal work orders issued by the County's Project Manager.

The Work Authorizations will be reviewed immediately upon receipt. Mr. King will schedule the necessary meetings to scope the project and execute the notice to proceed. Once a notice to proceed is obtained, Mr. King will update a progress chart and add it to a list of task work orders that may already be underway under this contract. Below is an example of a progress chart that DRMP has utilized on our current Miscellaneous and Minor Design Contracts. Under these contracts, DRMP had as many as 14 design task work orders underway at one time. The chart indicates the status of each Work Authorization with specific milestone dates, approvals of specific information, status of comment/responses and information related to data that may be needed to complete the plans. This type of chart is easily followed and provides the County's Project Manager with all relevant data pertaining to the projects. Mr. King will update this chart bi-weekly and provide it to the County Project Manager. In addition to this project status chart, DRMP creates project specific

FTP sites for every project to utilize in disseminating information to the client and any subconsultants.

Cost control and the development of the most economical solution are paramount to any definition of success. DRMP both actively and passively imparts cost control methods into the prosecution of all of our assignments. This results in a project that both meets client budgetary expectation, and provide the most value for the dollars invested.

CONTROLLING PROJECT BUDGETS

As a means of cost control, DRMP will start this project with a written Planning Budget, worked out with the County. Throughout the course of the project, the budget will be refined at schedule points, including schematic design (30% plans), design development (60% plans) and construction documents (90% plans). Whenever a discrepancy is identified, a written plan of action will be developed to resolve or accommodate the difference. In addition, a formal VALUE ENGINEERING REVIEW will be conducted at the design development (60% plans) stage on all design efforts.

DRMP brings economical solutions to all of our projects in the normal course of our business by maintaining the mindset that we have a fiduciary responsibility to our clients as well as an engineering responsibility. Much of our work is conducted for small municipalities that have limited budgets and therefore, must get the most "bang" for each dollar spent. Through continually working within these limited budgets, regular training of staff (both internal and external) in Best Management Practices, and extensive involvement in Professional Societies, DRMP keeps abreast of the best/most economical methods of service to our clients.

Contract C-8K43
 Districtwide Traffic Ops Design Consultant Contract
 FIN 229836-3-32-01
 Consultant: DRMP

Project Name	WO Executed	Survey Received	Utility Survey Received	Pavement Cores Received	Geotechnical Info Received	Typical Section Package Submitted	Pavement Design Package Submitted	Initial Submittal	Comments Responded To	Final Plans Submitted (PDF)	Comments
SR 809 at Dyer Blvd	Yes (7/21/06)	Yes (9/29/06)	Yes (12/06/06)	Yes Use Cores From Adjacent Project	Yes	Yes	Yes	5/22/2007	Yes (7/6/07)	Yes (7/13/07)	Final Signed and Sealed Plans Delivered (7/26/07)
SR 869 at Military Trail	Yes (12/20/06)	Yes (3/19/07)	Yes (6/21/07)	N/A	N/A	Yes	Yes	5/14/2007	Yes (7/10/07)	No	Final Signed and Sealed Plans Delivered (7/26/07)
SR 7 at Riverland Rd	Yes (10/31/06)	Yes (3/5/07)	Yes (1/24/07)	Yes	N/A	Yes	N/A	4/9/2007	Yes (6/8/07)	Yes (6/14/2007)	Final Signed and Sealed Plans Delivered (7/9/07)
SR 5 at Prima Vista Dr	Yes (4/2/07)	N/A	N/A	N/A	N/A	N/A	N/A	4/23/2007	Yes (6/14/07)	Yes (6/11/2007)	Final Signed and Sealed Plans Delivered (6/15/07)
SR 84 at Weston Rd	Yes (4/2/07)	Yes (4/30/07)	Yes (7/10/07)	N/A	N/A	N/A	N/A	7/24/2005	No	No	Awaiting FDOT Review Comments
SR 802 at Carne Drive	Yes (6/25/07)	Yes (6/15/07)	Yes (7/26/07)	Using Pavement Design Info From Ex Plans	NA	Yes	Yes	7/25/2007	No	No	Awaiting FDOT Review Comments
SR 78 at Tahoe Terrace	Yes (4/5/07)	Yes (6/15/07)	Yes (6/15/07)	Yes (8/20/07)	NA	No	No	8/1/2007	No	No	Working Towards Initial Submittal

Recent, Current, and Projected Workload

The following chart represents our current and projected workloads for DRMP's Tallahassee Office.

Project Name and Number	Description	Date Complete
FDEP Van Fleet State Trail	Design of supporting infrastructure	9/2011
FDEP Marjorie Harris Carr Cross Florida Greenway-Dunnellon Trail	Design of a 2.5 mile Trail and 2 Trailheads, Bid and Construction Services	3/2012
City of Cairo, GA -Davis Park Master Plan and Reconstruction	Park rehabilitation master plan, reconstruction of park amenities, design of flood control system	12/2011
Pensacola NAS – Corry Bachelor Enlisted Quarters	Site design and stormwater permitting for building and parking facilities	6/2012
Ft. Benning GA – Maneuver Battle Lab	Site design and permitting for building and site infrastructure	6/2012
FDOT District 3 DW Safety Contract	Traffic Safety Studies, Roadway Safety Improvements, Drainage Evaluations. 5 Active Task Authorizations	6/2012
FDOT District 3 DW NPDES Contract	Support District 3 for Phase I and Phase II NPDES MS4 Permitting. 4 Active Task Authorizations.	6/2015
FDOT District 3 Yellow River Bridge Replacement	Drainage Design and Bridge Hydraulics Design for replacement of 1550 LF Bridge in Okaloosa Co.	12/2011
SCDOT Bishopville Bypass	Drainage Design and Bridge Hydraulics Design for 3 mile New Road	12/2012
Escambia County Nine Mile Road PDE	Pond Siting Report and Drainage Analysis for 2.2 mile corridor in Escambia County	6/2011
Bradford County CR 229A Bridge Replacement	Drainage Design and Bridge Hydraulics	9/2011
Panama City Beach - Tropic Winds Infrastructure Improvements	Sanitary Sewer Design and Permitting	6/2011
FDOT Central Office – EMC Water Quality Monitoring	Water Quality Sampling Project to Determine EMC on Rural Typical Roadways	12/2012
NWFWMMD Professional Engineering Services	Professional Engineering and ERP Permit Review Support Services – No current active tasks	8/2013

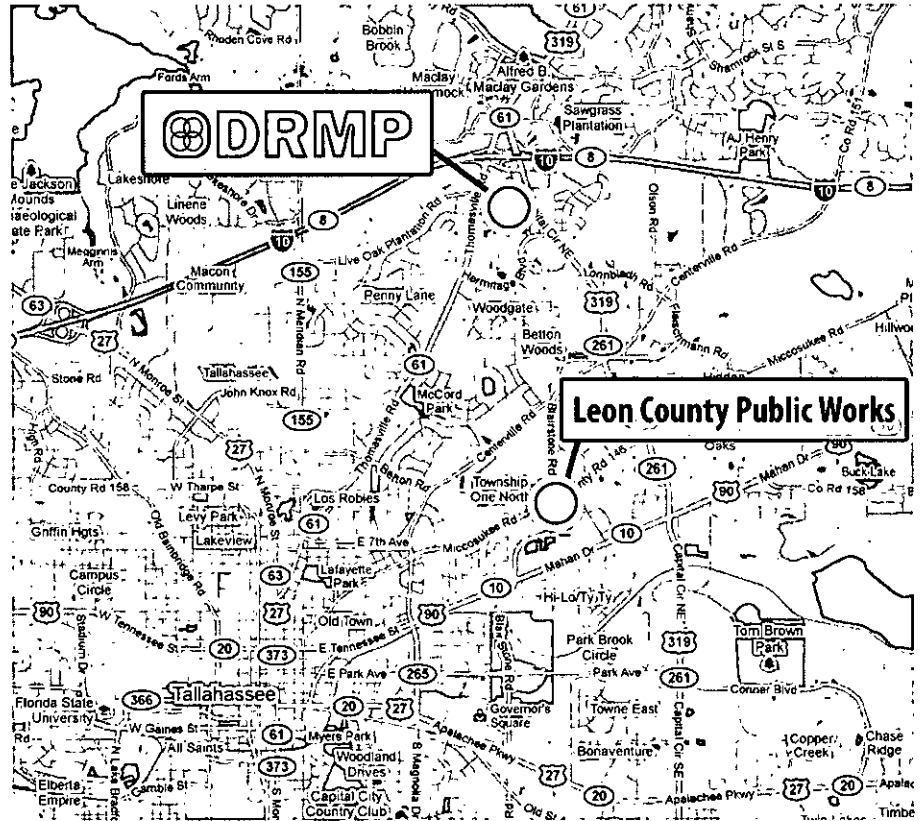
We at DRMP understand that adequate staffing levels are critical in ensuring the success of all projects. Our large staff provides flexibility to our clients which allow us to meet schedules, even with varying workloads among several projects simultaneously. All of our personnel are qualified to work on this project. With the depth of our staff, DRMP will be able to provide the necessary personnel to stay on schedule and if necessary, will utilize personnel from other offices to assist with assignments in the event of unforeseen circumstances and accelerated schedules.

For the Tallahassee office, the backlog that we are depicting reflects contracts or task orders that are under contract or approved contracts pending execution. As noted above, our backlog and project load allows DRMP to meet any new task obligations presented by the County. We are first committed to providing local service and will make staff assignments that fit geographic proximity as well as expertise.

Project Team Location

DRMP is nearby and easily accessible to Leon County! Our corporate headquarters is only 4.4 miles (12 minutes) from Leon County and our staff is available and committed to providing quality services to the County. We have served local municipalities from this office in the past and believe our location enables us to provide these services to the County in the most efficient and cost-effective manner possible. The County can rely on the complete support and resources of the firm, and our 33 years of consulting experience. We are an established firm whose staff is never more than a phone call or short trip away whenever needed, and our resources and offices are here for the long haul.

Note: Our organizational chart includes staff from other offices as we plan to utilize staff from other area offices to provide technical expertise and accelerated production capacity. We also propose to use local subconsultants to assist with successful project completion.



Approach to the Project

Project Scope Understanding

DRMP understands the needs of Leon County are for us to provide stormwater engineering services for individual projects on a continuing and as-needed basis. DRMP has developed an effective team that can address all aspects of the design process required of the consultant based on the County's specific assignments, and are also prepared to meet any accelerated schedule requirements. DRMP firmly believes in the philosophy that the consultant acting as an extension of the County staff will be the most effective and economical way to successfully complete these types of projects. Because of our extensive experience providing continuing support for many clients, DRMP understands the importance of teamwork and the development of trusting working relationships with County staff. The following list are some ideas that DRMP would employ in these types of projects.

- Design economically constructible and maintainable systems.
- Maximize opportunity to improve water quality and provide flood control.
- Permit the project as simply as possible by considering the various types of water management district permits available for a specific project.
- Fully utilize vast quantities of information available in GIS format from various agencies/municipalities, including LiDAR terrain.
- Collect, utilize and deliver data in a format compatible with County's GIS or other geodatabase.
- Present the information in a logical order, using photographs and aerial maps or other resources to document the conditions.
- Public information materials should be simple and direct in explaining the benefits through the various types of media.
- Investigate strategies that will incorporate public lands to create multi-faceted stormwater systems that are aesthetically pleasing.
- Integrate technology, computer automation and in-depth consultants experience to provide efficient, cost-effective, innovative solutions
- Search for funding to build the project
- Assemble a team with staff that is knowledgeable and current with new Federal, State and Local Regulations such as new MS4 NPDES requirements, Total Maximum Daily Load Requirements, Numeric Nutrient Removal Criteria, Environmental Resource Permitting and County and City Growth Management Regulations

DRMP also understands drainage design issues that are unique to Leon County. We have worked extensively in closed basins and in Karst environments. We are familiar with local drainage regulations (City and County) including special basin standards within the County. Finally, our team is versed in upcoming regulatory issues (TMDL's) that are specific to Leon County waters.

Project Development Phase

A clear understanding of the County's goals and objectives is essential at the onset of the project. Prior to contract negotiations and during scope creation, meetings with both County engineering and maintenance staff can be critical to understanding the specific issue and ensuring the development of a scope which addresses all of the project issues. These meetings will allow all parties to gain a through understanding of the problem and the steps that need to be taken to develop a solution. Once the unique facts of the project are understood, a detailed scope of services, budget and schedule will be provided to the County.

Data Collection

DRMP will continue to investigate the project and obtain available data regarding the project area including previous studies, water quality data, historical data, flow and stage monitoring data, previous permits, GIS data, maps and other necessary information.



Comprehensive review and processing of this data is a critical foundation to development of a quality design. Most often, previous studies and interviews with County staff are the originating source identifying the flooding or water quality problem that must be addressed. In addition, monitoring data may quantitatively help verify the problem. Finally, topographic mapping or LiDAR, supplemented by field survey as necessary, will be used to delineate the limits of the project watershed. Existing construction plans, permits and other mapping sources will round out the data needed to evaluate the problem and will assist in the completion of the design. An initial site visit supplemented by as needed visits are also important to ascertain first hand the site conditions.

Site and Field Conditions

Next, the project area should be evaluated to identify field conditions that are specific to the problem or that may affect the recommended design alternative. Using available existing drainage structure inventories, supplemented by field reviews, DRMP will perform a field investigation to verify the size, shape, material and condition of drainage systems, and if appropriate, inventory of drainage systems would be conducted.

Flooding

DRMP will assess the nature of the problem to determine if it is volume related (lack of storage or outfall) or rate related (lack of conveyance). This assessment helps determine the level of detail and type of modeling necessary to provide a solution. Depending on the nature of the problem, DRMP will then choose an appropriate method and model to analyze the problem. Available mapping will be brought into a Geographic Information System (GIS) compatible with the County's system to accurately and quickly calculate area weighted hydrologic parameters for each sub watershed necessary for input into the model. If available, existing water level and/or flow data will be utilized to calibrate the model to measured results.

The extent of flooding within the watershed will be identified and mapped on a GIS-based terrain map. Causes of flooding will be determined by evaluating the profile of the



hydraulic grade line and the corresponding bed slope throughout the watershed. Areas where the hydraulic grade line appears horizontal generally indicate a tailwater influence from downstream. Reaches which have a steeply sloped hydraulic grade line compared to bed slope indicate insufficient conveyance capacity within the pipe or channel. Using these basic approaches, identification of insufficient pipe and channel sizes and storage volumes will be performed.

Water Quality

Attention will be given to non-point sources from the watershed's land uses, point source discharge and septic tanks. Areas not treating stormwater to current regulatory requirements would be identified. Depending on the project, the modeling solution may range from a simple spreadsheet model or an unsteady model that accounts for pollutant assimilation and dispersion. If available, existing water quality data will be utilized to calibrate the model to measured results. In addition to establishing the best design alternative in the design development phase, the results may be used to justify future funding in grant applications or in offsetting other negative impacts in the permitting process.

Other Stormwater Design Issues

Finally, maintenance concerns such as bank erosion and sedimentation, trash and debris accumulation, lack of access maintenance equipment and deterioration of roadway shoulders may require a detailed stormwater solution. Coordination with maintenance staff throughout the project is an important focus to solve these problems. DRMP will evaluate the most efficient method to address erosion problems by flow attenuation, velocity reduction or by structural armoring. Sediment, trash and debris found in stormwater may be captured in sediment basins or in structural controls such as baffle boxes, proprietary products (e.g. Suntree units, CDS units, Stormceptors) or by constructing site-specific designed facilities.



Preliminary Permitting

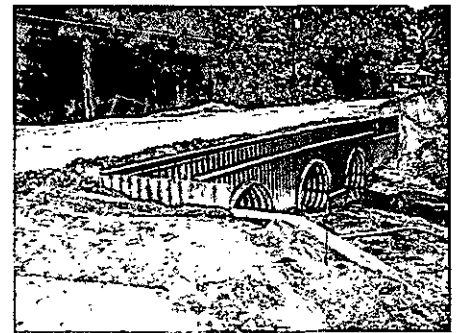
DRMP staff will contact all permitting agencies and determine permit requirements. Pre-application meetings with permitting agencies including Leon County Growth Management, NFWFMD, Florida Department of Environmental Protection, Florida Department of Transportation will be held and the key issues summarized and addressed. This early coordination ensure there are no permitting issues that will effect the project schedule.

Presentation of Results

DRMP will provide the County with a schematic representation of the design to include the supporting analysis documentation. Furthermore, we will supply the County with preliminary cost estimates for each of the feasible alternatives that will consider (at a minimum), design, land acquisition/relocation (right-of-way and easements), permitting, construction and construction management. If necessary, a public information meeting can be held to present the County's preferred alternatives and collect feedback from the affected residents. Throughout the process, it will be necessary to maintain close coordination and receive input from County staff.

Perform Detailed Design and Prepare Construction Plans

DRMP will, using information and preliminary designs developed in the Preliminary Engineering Report, prepare construction plans and specifications such that the project can be let to contract or constructed by County forces. The



first step in this process is to generate 60% design plans which outline necessary right-of-way acquisition, hydraulic grades of the proposed conveyance system, plan and profile sheets depicting existing and proposed grades, pond locations and sizes, pipe locations, existing utility locations, drainage structure locations and preliminary landscape and maintenance of traffic plans. Existing wetlands impacted during construction will be delineated and mapped. Additionally, the Engineer's Cost Estimate will be revised to show any changes up to this point and appraisals obtained for any required properties.

Following a final review by County staff, final plans will be produced. Along with these plans, a final quantity takeoff will be performed and final construction costs will be estimated. Final right-of-way maps and all legal exhibits necessary for acquisition will be prepared. The final cost estimate will be compared to the benefit cost of constructing the improvement as required to be eligible for grants.

DRMP will also use a rigorous quality control and quality assurance (QA/QC) process that is performed on all design plan preparations within the company. All submittals to the County will follow this process.

Modeling Capability

Our staff is well qualified in the use of all types of generally used stormwater models that may be used by the County including XP-SWMM, EPA-SWMM, HEC-RAS, ICPR, HEC2, Modret and Ponds. We have recently utilized the 2D component of XP-SWMM. Additionally, our staff has cutting-edge experience with new functionality in ICPR with use of Green-Ampt hydrologic methodology, and adding percolation as separate outfalls in ponds and depressions.

Floodplain Mapping

Our staff has the modeling capability and experience to provide FEMA flood map revisions and assist the County in floodplain delineation and mapping efforts. Our staff has been involved in the FEMA map modernization initiative through a number of authorizations with SWFWMD in Hernando, DeSoto, Citrus, and Marion Counties. These projects involve interfacing surface water modeling in ICPR with terrain and other data on a GIS database platform to produce accurate floodplains for a new generation of digital FEMA flood insurance rate maps. We have also prepared numerous Letter of Map Revisions and Letter of Map Revisions based on Fill for public and private clients in Florida.

Geographic Information System

DRMP has first class GIS capabilities, and are knowledgeable in ESRI software ARCGIS 9.3.1 and all earlier versions. We can use GIS as a stormwater design tool, provide a GIS integrated design deliverable, interface and update County GIS data or provide training services for County staff.



Environmental and Ecological Services

Our ecological and environmental staff is in-house and works very closely with the engineering staff on every project as required. A complex stormwater project is most likely to involve wetlands, surface water or other environmental and ecological consideration. Our staff has developed and cultivated very good relationships with the regulatory agencies and their staff. We can prepare special mitigation and planting plans, conduct ecological surveys, environmental assessments and provide sound advice to our clients. Our staff is consistently stays updated with the changing regulatory requirements to prevent "surprises" late in the project design.

Regulatory Support

DRMP has teamed with ATM as Prime/Sub and Su/Prime with NPDES and TMDL support for State Agencies and Counties throughout the state including SWFWMD, FDOT Central Office, FDOT Districts 1 and 3, Pasco County, Hillsborough County, Brevard County.

NPDES Term 3 Draft Permits are soon to be issued to Leon County. Our team can assist the County in reacting to new changes in the Permit, including seeking cost effective inventory and system inspection strategies, Annual Reporting and audit support, developing standard procedures, water quality monitoring and reporting, and illicit discharge inspection and screening.

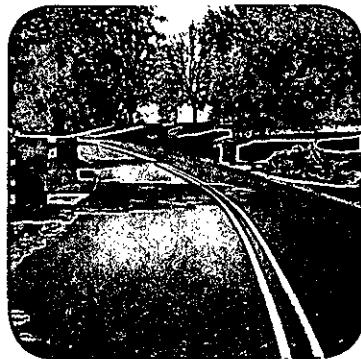
Waterbodies in the Ocklockonee-St. Marks basin are scheduled for Cycle 3 assessment in 2012 with development of TMDLs for impaired waters likely to begin in 2013. Our team will work with Leon County to ensure that assessed waterbodies are appropriately categorized under the requirements of the Impaired Waters Rule and coordinate with FDEP on these assessments. For waters identified as impaired and needing a TMDL, we will coordinate with FDEP in the beginning stages of TMDL development with the objective of achieving consensus on the TMDL methodology and results prior to the official public release of the draft TMDL. We will provide similar coordination, as necessary, with EPA staff. As adopted TMDLs move into the implementation phase, we will work on behalf of the County to assist in the development of effective and cost-efficient strategies for improving water quality.

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General Information

CONTRACTOR INFORMATION

Firm name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Office Location: 1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

Contact Person: Bryant A. King, PE,
P: 850.562.9600
E: bking@drmp.com

EXECUTIVE SUMMARY

Firm Overview

Dyer, Riddle, Mills & Precourt, Inc. (DRMP) has been in business since 1977 as a multi-discipline firm serving clients in the public, private and industrial sectors in the development of infrastructure for the community-at-large. We currently have 14 office locations spread strategically across the southeastern United States.

Our staff is capable of managing a project from the early planning stages through design and into construction administration. Founded on a standard of excellence, our growth and success is based on our commitment to tailor our multi-discipline services to effectively develop quality design solutions that are cost effective and delivered within the agreed upon timeframe. Today, DRMP is ranked among *Engineering News-Record's* "Top 500 Design Firms" in the United States.

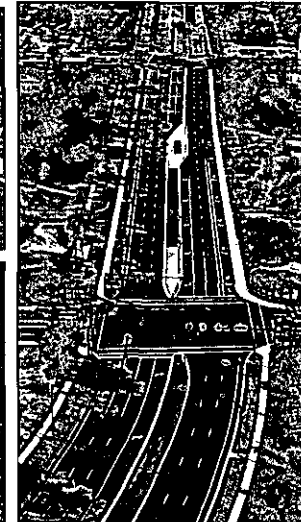
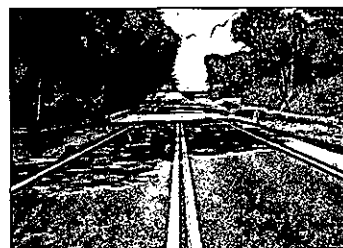
Firm Capabilities

Transportation Engineering

DRMP understands the constant need for new and rehabilitated transportation infrastructure as continued urbanization and population growth occurs. As a leading provider of transportation planning and design services, DRMP's standard of excellence is evident throughout each of the service areas that comprise our Transportation Division. Stressing quality, we stand behind all of our design, planning and study recommendations to provide safe and efficient transportation systems for the traveling public.

DRMP offers a broad range of *transportation* planning and design expertise to manage all of your transportation needs. Our design staff has the knowledge and skills to handle everything from complex interchange designs to minor intersection improvements. Each project is reviewed individually and the appropriate staff assigned to produce a quality project. Some of the services we offer are:

- Roadway Design
- Sidewalk Design
- Bike Lane Addition
- Access Management
- ADA Improvements
- Drainage Improvements
- Concrete Rehabilitation
- Milling and Resurfacing
- Safety Improvements
- Scoping Reports
- Signal Upgrades
- Expert Witness Services



AUTHORIZED REPRESENTATIVES

Authorized Representatives declare that DRMP's proposal for Stormwater Engineering is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.

Bryant A. King, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bking@drmp.com

Ben C. Faust, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bfaust@drmp.com

**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Jon S. Meadowst

Signature: Jon S. Meadowst, PE

Title: Principal-in-Charge

STATE OF Florida
COUNTY OF Leon

Sworn to and subscribed before me this 17th day of March, 2011

Personally known

OR Produced identification _____

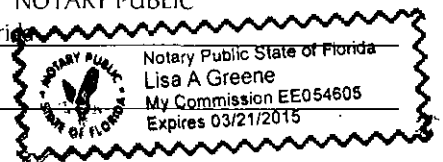
(Type of identification)

Lisa A. Greene

NOTARY PUBLIC

Notary Public - State of Florida

My commission expires: _____



Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**



EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: Jan S. Hadden

Title: Principal-in-Charge

Firm: DRMP

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this completed Insurance Certification Form, signed by the company Risk Manager or authorized manager with risk authority.

- A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

Business Auto:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

- 1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

If answer is NO, provide name and address of insurer:

- 2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.


Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

Coverage is in place Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Daniel M. DeLaRosa
Typed or Printed

Signature 

Date 3/8/11

Title Vice President
(Company Risk Manager or Manager with Risk Authority)



CERTIFICATION REGARDING DEBARMENT, SUSPENSION, And OTHER RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.

Signature

Principal-in-Charge

Title

DRMP

Contractor/Firm

1435 East Piedmont Drive, Suite 210, Tallahassee, Florida 32308

Address

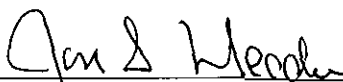
LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	
Current Local Address: 1435 East Piedmont Drive, Suite 210 Tallahassee, Florida 32308	Phone: 850.562.9600 Fax: 850.575.5544
If the above address has been for less than six months, please provide the prior address.	
Length of time at this address:	
Home Office Address: 941 Lake Baldwin Lane Orlando, Florida 32814	Phone: 407.896.0594 Fax: 407.896.4836


Signature of Authorized Representative

March 17, 2011
Date

STATE OF Florida
COUNTY OF Leon

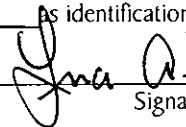
The foregoing instrument was acknowledged before me this 17th day of March, 2011.

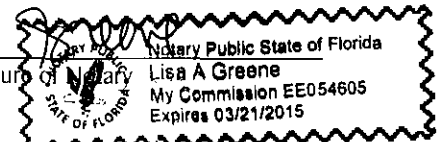
By Jon S. Meadows, PE, Principal-in-Charge of DRMP
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Florida corporation, on behalf of the corporation. He she is personally known to me
(State or place of incorporation)

or has produced _____
(type of identification)

As identification.





Signature of Notary
Print, Type or Stamp Name of Notary

Return Completed form with supporting documents to:

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

Title or Rank

Serial Number, If Any

Ability of Professional Personnel

It is our philosophy and approach to provide the best available talent in our organization to each project and, if necessary, to utilize outside support due to expertise, cost, scheduling or location issues. A major strength of DRMP is our depth of experience and expertise, both in our project managers and our technical staff. This background, combined with our underlying company philosophy of meeting client needs in the most timely and cost-effective manner, has contributed significantly to our long-term success.

We have assembled the members of this project team based on professional experience, completion of similar projects in the local area and ability to perform the tasks required for this continuing contract. Additionally, these project team members have experience

in working under a contract that requires completing task assignments on an on-call basis.

AVAILABLE STAFF RESOURCES

DRMP's professional staff has extensive experience in the services required under this Roadway Design Continuing Services Contract. DRMP's Transportation Division includes 80 individuals devoted solely to Transportation and Traffic Operations Improvements Contracts. These individuals have a wide range of experience in both the design and study areas with the necessary skill set to meet the requirements of this contract. The following table is a listing of these individuals with their experience and availability.

Project Team	Areas of Expertise											Percent Availability	
	Years of Experience	Roadway/Sidewalk Design	Stormwater Design	Signing/Pavement Marking	Signalization	Expert Witness	Traffic Control	Permitting / Environmental	Structural	Utility Design/Coordination	Surveying		Geotechnical
Bryant King, PE	17	X	X					X					60%
Ben Faust, PE	20	X	X	X	X	X	X			X			15%
Allen W. Schrupf, PE	34	X	X	X	X		X		X	X			20%
J. Richard MacCalla, Jr	34	X	X	X	X		X		X	X			15%
S Scott Early, PE	17	X	X	X	X		X						25%
James L. Hagon, PE	14	X	X	X	X		X			X			60%
Chad M. Friday, EI	4.5	X	X	X	X								60%
Julian A. Poole, EI	2	X	X	X	X								60%
Travis Shannon, EI	4.5	X	X	X	X			X		X			75%
Joseph Perri	19			X	X		X						20%
Carlos Martinez, PE	18			X	X		X						65%
John R. Burkett, PE	26	X	X	X	X	X	X						15%
Kenneth R. Kniel, PE	29		X										15%
Donald W. Brown, PE	12		X										25%
Michael K. Albano, PE	11								X				25%
Michael J. Leo, PE	17								X				25%
Jeff Lance, PLS	26										X		35%
Debbie M. Dantin, PE (Dantin)	24			X	X								50%
Myron L. Hayden, Phd, PE (EGS)	38											X	35%
Barbara Bergstrom, PSM (Poole)	29										X		35%

PROJECT MANAGEMENT

DRMP's project management method is based on providing Leon County with superior project administration and coordination. This will ensure that the County receives the highest quality work products and services while minimizing the County's staff's required input and contract management. Our project team is structured to assign a highly-qualified project manager to: (1) act as the primary point of contact; (2) monitor the work product; and (3) assist the County in developing and scoping individual work tasks. The primary

task of the project manager is to coordinate all resources of the project team to ensure we are able to:

- Provide comprehensive services for any task assignment;
- Create a strong working relationship with the County staff, built on mutual trust and professionalism in the development and implementation of project and program objectives;
- Work effectively as an extension of the County's staff to provide the required services, in a highly-efficient, cost conscious and professional manner;

- Handle issues and concerns as quickly and effectively as possible as they arise;
- Ensure that solutions are developed that are not only technically correct, but are also consistent with the needs of the community, and advance the effective implementation of adopted goals, objectives and policies.

Project Manager Bryant A. King, PE will ensure that the County receives the services they need and deserve. This position is to make certain that resources are available when, and to the degree necessary, and to monitor the County's measure of satisfaction. He will resolve any concerns that may arise, and act as an additional objective manager in the Quality Assurance process. As Project Manager, Mr. King's main responsibility will be to serve as the primary point of contact for the County; develop a comprehensive project scope; monitor the project schedule; and ensure quality control is conducted on work products. Mr. King will also negotiate contracts, coordinate with subconsultants and review agencies and oversee the technical, financial and schedule aspects of the project. He is responsible for the successful completion of each task. Bryant has been with DRMP for nearly 15 years and has been with DRMP in Tallahassee for nearly 7 years.

Ben C. Faust, PE serves as DRMP's Vice President-in-Charge and has over 20 years of experience in a broad range of roadway design assignments from minor to major projects. Mr. Faust will ensure Mr. King has all of the staffing and resources necessary to meet the schedule demands and experience requirement of this contract.

S. Scott Early, PE is a senior engineer in DRMP's Transportation Division and will serve as a senior engineer on this project for minor roadway improvements. Mr. Early has 17 years of experience and has been with DRMP for five years. During these five years, Mr. Early has managed several Districtwide projects for FDOT District Three involving work authorizations ranging from minor intersection improvements involving new signalization installations to turn lane additions. These work authorizations ranged from \$20,000 to \$140,000 dollars.

Jim L. Hagon, PE serves as a Senior Project Engineer for DRMP. He acts as a Project Manager, Assistant Project Manager and Project Engineer on a variety of projects and has 14 years of experience. He is responsible for managing projects throughout the planning and design phases. Projects Mr. Hagon has worked on have included experience with roadway multi-lane widening, corridor planning and Community Redevelopment Agencies. He is experienced in working on Project Development and Environmental (PD&E) documents. He researched and wrote several documents including a Preliminary Engineering Report, a Contamination Screening Report and several Public Involvement Reports. He has several years of construction engineering inspection experience and has assisted in both geotechnical drilling operations and basic survey tasks.

Allen W. Schrupf, PE is the Director of Quality Control (QC) for the Transportation Division of DRMP. In that role, he is responsible for developing all project quality control plans, supervising all QC reviews, and preparing QC documentation. He also provides these review services to other consulting firms and public agencies on an independent contract basis. He has also delivered seminars on the methods to administrate an effective Quality Assurance /Quality Control Program at FDOT Project Management Training and APWA conferences. To date, his review efforts number in excess of 500

different transportation projects in study phase and final design phase, and of all sizes and types.

SUBCONSULTANTS

The DRMP Subconsultant Team has been assembled for this contract not only for their specific expertise but also to continue and build on DRMP's relationship with these experts gained on past similar experience. DRMP has established relationships with these subconsultant firms and has worked with each firm on previous assignments throughout the state.



Dantin Consulting, LLC (DC) was formed in March 2009, located in Leon County and is a small business and certified DBE/WBE

with FDOT, State of Florida and various local governments including Leon County and the City of Tallahassee. Debbie Dantin, PE, is President and CEO and specializes in transportation planning and traffic engineering with 25 years of experience in both the public and private sectors. DC also provides project management, site/civil design, strategic planning for master planned communities, value engineering and construction inspection services.



Environmental and Geotechnical Specialists, Inc. (EGS) will be providing specialty services to the design team. EGS is highly qualified and has an outstanding work experience within the

panhandle of Northwest Florida. The staff at EGS has been providing professional services since 1992. EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services.



Poole Engineering & Surveying, Inc.

is a Florida firm located in Tallahassee, which has operated continuously in the engineering and surveying field for over 30 years. Their experience and dynamic combination of specialized services, advanced technology, and personalized communication with clients has made our firm an intricate part of the growth and development in the North Florida area. Their firm has considerable experience in design and construction of roadway projects and site development projects, including several subdivisions. **Cheryl L. Poole, PE**, Vice President and Corporate Engineer has an extensive background of roadway design work that has included a long tenure with FDOT District Three preparing scopes of work for various projects and performing the roadway analysis for those scopes. Her traffic engineering experience includes traffic operational design, no passing zone studies, warranting of traffic signals, corridor studies and the design of new signalized intersections and the updating of existing signals. Recent projects have been US 319 at SR 363 signalization, traffic study and signal design for the east US 90 widening project in Leon County, the signal design for the realignment of SR 61 at US 98 in Wakulla County and signal designs at several intersections in the Destin and Niceville areas. Roadway design work includes several intersection improvement projects, subdivision roadway networks, maintenance of traffic for FDOT projects, and signing and pavement marking plans. **Barbara Bergstrom, PSM** serving as Corporate Surveyor along with Kevin

O'Neal as Project Surveyor is responsible for managing our Survey/CAD Technicians and field crew personnel for all projects. Both surveyors have over 20 years experience in all facets of surveying and have proven skills in their profession for providing the quality work our clients expect. With our experienced survey personnel, Poole has the ability to expand quickly into several crews, as the demand requires. Projects include Drainage Inventory for Frenchtown Master Drainage Study, Call/Cadiz Street Stormwater Improvements, Meginnis Creek Drainage Ditch and proposed Re-alignment for City of Tallahassee Stormwater Division, and the survey work for WRS in the remediation effort for Cascade Park as well as design surveys for many major apartment complexes, commercial developments and residential subdivisions in the local panhandle areas.

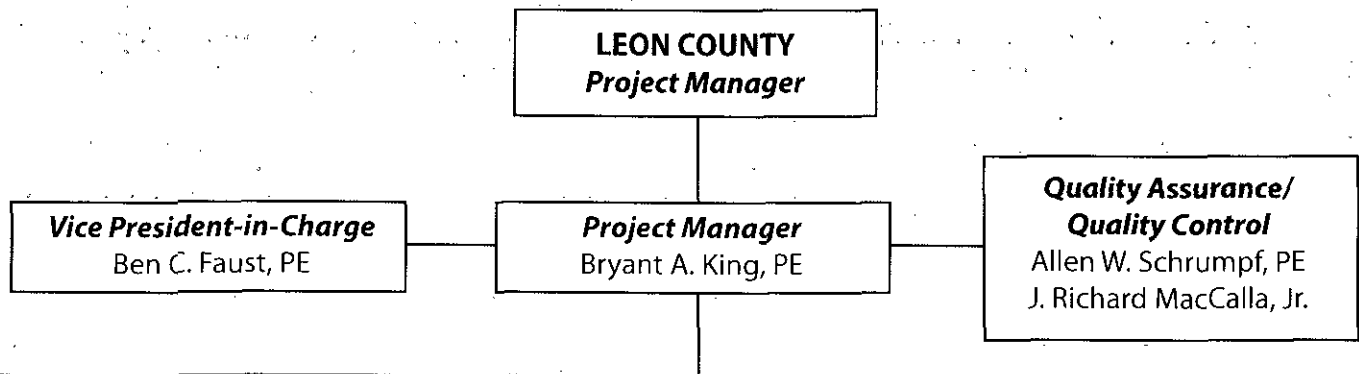
Leon County

Request for Proposals for Civil Engineering Services, Continuing Supply

Proposal No. BC-03-17-11-25



ROADWAY DESIGN



Roadway/Sidewalk Design

S. Scott Early, PE
Jim L. Hagon, PE
Chad M. Friday, EI
Julian A. Poole, EI
Travis N. Shannon, EI

Structural Design

Michael J. Leo, PE
Michael K. Albano, PE

Survey

Jeffrey R. Lance, PSM
Barbara J. Bergstrom, PSM

Utility Coordination/Design

Jim L. Hagon, PE
Travis N. Shannon, EI

Expert Witness

Ben C. Faust, PE
John R. Burkett, PE

Stormwater Design

Kenneth R. Kniel, PE
Donald W. Brown, PE
Travis N. Shannon, EI
Bryant A. King, PE

Geotechnical

Myron L. Hayden, PhD, PE

Signing & Pavement Markings

S. Scott Early, PE
Joseph W. Perri
Debbie M. Dantin, PE

Signalization

S. Scott Early, PE
Carlos Martinez, PE
Joseph W. Perri
Debbie M. Dantin, PE

Environmental/Permitting

George P. McLatchey, CEP, PWS
Douglas A. Skurski, PWS

SUBCONSULTANTS

Dantin Consulting, LLC
Environmental & Geotechnical Specialists, Inc.
Poole Engineering & Surveying, Inc.

Bryant A. King, PE

Project Manager

**Years of Experience**

17 Total

14 With Firm

Professional Registration

Professional Engineer

No. 51994, Florida, 1997

Professional Engineer

No. 030683, Georgia, 2005

EducationMaster's in Engineering,
University of Florida, 1996Bachelor's of Science in Civil
Engineering, University of
Florida, 1991**Certifications**Level II Certified Design
Professional, No. 44943,
Georgia Soil and Water
Conservation Commission,
2007

FDOT Maintenance of Traffic

Professional AffiliationAmerican Society of Civil
Engineers

Florida Engineering Society

Florida Stormwater
Association**Software Aptitude**

adICPR

XP-SWMM

HEC-RAS

ASAD

PROFESSIONAL PROFILE

Bryant A. King, PE is the Office Leader of DRMP's Tallahassee office and is responsible for overseeing all engineering work, both public and private. He has served in this position since August 2004. He is administratively responsible for all work produced in Tallahassee – including Transportation, Civil and Site Design and Water Resource Design. Prior to his relocation to Tallahassee, Mr. King was a Senior Project Manager in the Water Resources department in Orlando, where he was responsible for water resource planning, drainage design, permitting, water quality studies and other stormwater related design projects for both public and private clients. He has been responsible for numerous stormwater and drainage related projects including stormwater retrofits, stormwater master plans, roadway drainage design and bridge hydraulic reports.

Mr. King has been Project Manager and Project Engineer for numerous state and municipal infrastructure and stormwater related projects in Florida. In the past seven years, he has been involved in many transportation and site development projects. His background is in hydraulics and water resources and this has allowed him to interface in many aspects of Civil Engineering design.

GENERAL STORMWATER AND DRAINAGE

Capital Circle Southeast From Woodville Highway to Tram Road, Blueprint 2000 Intergovernmental Agency, Leon County, Florida: Assistant Project Manager on this \$17 million roadway widening project. This project involved widening of 2.2 miles of two lane road to a six lane urban section. This project involved major stormwater design, intersection design, roadway design, utility coordination, right-of-way acquisition and lighting. Mr. King coordinated with internal and client staff and subconsultants, managed schedules, and coordinated submittal for the project under an accelerated schedule. DRMP was responsible for preparing a 60% plus submittal that including full Right-of-Way mapping.

SR 10 (US 90) over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Project Engineer responsible for managing all drainage related design for the 1,617-foot long bridge replacement project including bridge hydraulics, roadway drainage and stormwater management design and permitting. Challenges included calibrating old FEMA hydraulic models, incorporation of revised regression flow data and design of stormwater management facilities under tight right of way constraints.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Project Drainage Engineer of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). Mr. King was responsible for roadway drainage and stormwater management permitting. Critical issues included one joint participation agreement for a joint use pond with Escambia County, design of offsite collection system that handled several hundred acres of urban stormwater runoff, significant utility coordination in the project corridor and design of interchange and bridge deck drainage.

CR 209, FDOT District Two, Clay County, Florida: Project Engineer for this project involved the preparation of a pond siting report, design of three stormwater ponds and design of a collection system that serves a proposed bridge and roadway in Clay County, Florida.

Apopka Bypass PD&E (Preliminary Drainage), FDOT District Five, Orange County, Florida: Project Engineer for this project involved the recommendation of pond siting alternatives for the proposed Apopka Bypass PD&E in northwest Orange County.

6th Avenue Roadway and Drainage Improvements, City of Cairo, Georgia: Mr. King served as Project Manager responsible for the planning, design, permitting, grant support, bid services and construction services for this project that provided improved connectivity, transportation, drainage and flood mitigation to a disadvantaged neighborhood in the City of Cairo, Georgia. The project included evaluation of 6 alternatives, conducting of one workshop and one public hearing. The recommended alternative was designed to GADOT standards and received an Army Corps of Engineers Dredge and Fill permit, a GA Erosion and Sedimentation Control Permit and a Stream Bank Buffer variance. Mr. King also prepared a Preliminary Design report to support and obtain Federal Funding under ARRA and provided full bid services and construction administration services to complete the project.

Evansdale Road Sidewalk, Traffic and Drainage Improvements, City of Lake Mary, Seminole County, Florida: Project Manager on this \$350,000 drainage and traffic calming study. This project involved the design of sidewalks, roadside swales, one swale outfall and traffic medians and speed tables as part of a neighborhood improvement project in Lake Mary. Further improvements included design along roadway reducing present flooding. Mr. King was involved in extensive public involvement; coordinated the preliminary design, construction plans preparation, construction and inspection services.

Community House Road Improvements, Mecklenberg County, North Carolina: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the City of Charlotte and State of North Carolina standards for the roadway improvements on the Community House Road Improvements. Improvements consisted of the installation of grassed medians, turn lanes and the addition of curb and gutter and sidewalk to the existing roadway alignment.

Professional Engineering Services, Northwest Florida Water Management District, Multiple Counties, Florida: Mr. King served as Project Manager for this contract. This contract required DRMP to act as an extension of staff on tasks including review of Environmental Resource Permits, beta testing e-permitting portals and consulting for additional rule making. DRMP has maintained this Contract with NFWFMD for 3 years and has executed 6 Task Orders for this Contract.

Districtwide NPDES Consultant, FDOT District Three, Florida: Project Manager on this continuing services contract. Mr. King is responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and have executed 30 separate Task Orders for this Contract.

Tartary Drive Stormwater Improvements, City of Tallahassee, Florida: Project Manager on this million Stormwater Improvement study. This project involved the preparation of a preliminary engineering report that addresses flood control and flow attenuation in the Tartary Drive neighborhood in Tallahassee, Florida. The recommended design elements included replacement of a ditch with a culvert outfall, construction of a detention pond on City owned property, and numerous pipe and inlet upgrades to the collection system in the surrounding neighborhood.

Lower East Branch Debris Trap of Tallahassee, City of Tallahassee, Leon County, Florida: Project Manager on this \$100,000 Master Drainage Stormwater Study. This project involved the design and construction of an in line debris trap that captured floatables and debris into a holding basin. Unique features included structural design of a floating skimmer and removable catchments screens and a holding area and access design tailored specifically to the City's maintenance equipment. The project involved development of a design report and permitting through the City of Tallahassee Growth Management Department. An environmental resource permit exemption was obtained from the Florida Department of Environmental Protection.

Henry Davis Park Drainage Improvements, City of Panama City, Bay County, Florida: Mr. King was Project Manager for the recently completed engineering plans for a \$1.1 Million water quality and flood control project in the City of Panama City. This project involved filling and piping a drainage ditch, construction of a wet detention pond for water quality and flood control, design of discharge structures and erosion control devices, permitting through the US Army Corps of Engineers and the Florida Department of Environmental Protection. Design was completed in 2006 and Construction was completed in 2008.

Talladega Trail Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$300,000 drainage improvement project in Pensacola, Florida. The project involved the expanding an existing FDOT owned pond and construction of an improved stormwater outfall residential subdivision. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit was secured from NFWFMD.

Klondike Road Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$250,000 drainage improvement project in Pensacola, Florida. The project involved the piping of an existing ditch through a residential subdivision while still allowing overland flows to be regulated. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit and a De Minimus Dredge and Fill Exemption was secured from the FDEP.

Davis Park Improvements, City of Cairo, Grady County, Georgia: Project Manager for this Park Design/Stormwater Retrofit project. This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre. Gazebos and stormwater improvements to help alleviate flooding downstream of Davis Park while providing for a user friendly environment. Conceptual phase is complete and has been accepted by City Council. Final Design documents are underway.

East Branch Ditch FEMA Map Revision, City of Tallahassee, Leon County, Florida: Tallahassee's Continuing Stormwater Consultant on this \$34,000 Drainage Study project. This project involved completing a master drainage study and using the model to develop the report to complete the FEMA map revision. Mr. King coordinated the preparation of floodplain maps for the floodway, 100 and 500-year floodplains, and flood profiles. Mr. King oversaw the preparation of the FEMA maps and hydraulic profiles and coordinated with FEMA staff during the approval process.

Ben C. Faust, PE

Vice President-In-Charge



Years of Experience
19 Total
10 With Firm

Professional Registration
Professional Engineer No.
52624, Florida, 1999

Education
Bachelor's of Science in Civil
Engineering, University of
Central Florida, 1991

Professional Affiliation
Transportation Committee
Member, FICE, 2010

State Director for Gulf Coast
Chapter, Florida Engineering
Society, 2010

Planning Commission, City
of Lynn Haven, FL

Certification
Work Zone Traffic Control

PROFESSIONAL PROFILE

Ben C. Faust, PE is a Vice President of DRMP and Area Leader for oversight of DRMP's engineering operations in the Florida Panhandle. He serves as the project manager for a range of major and minor projects for state, municipal and private clients. His experience includes all phases of project development from planning and programming, through design and land acquisition to final construction.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Vice President-in-Charge for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Vice President-in-Charge for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Faust provided oversight and allocated resources for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** This project includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** The design of this 0.5 mile project included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** The design of this signalization project includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** The design of this project includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This project includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Continuing General Planning Services for the West Florida Regional Planning Council (WFRPC), Florida: Vice President-in-Charge for General Planning Services for the Florida-Alabama, Okaloosa-Walton and Bay County Transportation Planning Organizations (TPOs). Services under this contract include, TPO administration, unified planning work program, public involvement process, regional coordination, data collection, GIS data analysis, transportation improvement programs, long range transportation plans, transportation system management, freight and goods movement planning, public transportation planning, bicycle/pedestrian systems planning, transportation disadvantaged program, air quality planning, corridor planning and preservation, congestion management process, intelligent transportation system (ITS) planning, and any other services to fulfill the needs of the West Florida Regional Planning Council. DRMP's current tasks under this contact include:

- Regional Freight Network Plan for FL-AL, Okaloosa-Walton & Bay County TPOs
- SR 77 Corridor Management plan
- SR 85 Corridor Management Plan
- Bay County Long Range Transportation Plan
- Bay County Transit Plan Major Update
-

- Regional ITS Plan for FL-AL, Okaloosa-Walton & Bay County TPOs
- Engineering Services Support for the Bay County TPO Transit Maintenance & Administration Facility

19th Street Traffic Study, City of Panama City, Bay County, Florida: Project coordinator for the study of two miles of 19th Street in Panama City to determine existing and projected traffic capacity requirements and to prepare design improvement recommendations for roadway and intersections based on results of study.

Districtwide Miscellaneous Land Planning Contract, FDOT District Three: Project Manager for a full-service land planning contract to provide support to the Department's right-of-way appraisal and roadway design efforts. Contract includes land planning analysis, development of parcel cure plans and highest-and-best use scenarios and cost estimates.

SR 77 Land Planning Contract, FDOT District Three, Bay County, Florida: Project Manager for a land planning contract to provide support to the Department's right-of-way appraisal efforts for miscellaneous parcels on the SR 77 project in Bay County. Contract includes land planning analysis, development of parcel cure plans, highest-and-best use scenarios, and cost estimates.

SR 8 (I-10)/SR 95 (US 29) Interchange and SR 8 (I-10) Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Mr. Faust currently serves as Vice President-in-Charge for this PD&E Study Re-evaluation which involves proposed improvements to the existing SR 8 (I-10)/SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to a point just west of the recently improved I-10/I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a Finding of No Significant Impact (FONSI) approved in May 2000.

SR 10 (US 90A/Nine Mile Road), Escambia County Board of County Commissioners, Escambia County, Florida: Mr. Faust currently serves as Vice President-in-Charge for this Re-evaluation which involves proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida. This roadway segment was included in a previous Type 2 Categorical Exclusion for SR 10 (US 90A/Nine Mile Road) from the Alabama State Line to University Parkway and SR 297 (Pine Forest Road) from SR 8 (I-10) to SR 10 (US 90A/Nine Mile Road), approved on May 1992.

Front Beach Road Community Redevelopment Agency, City of Panama City Beach, Florida: Program Manager for a full-service staff extension contract with the City of Panama City Beach. His responsibilities include complete staffing, oversight and administration for the planning, financing, design and construction of \$400M in capital project improvements, including roadway, drainage, utility, streetscaping, parking structures, transit planning and operation, and development and coordination of public/private partnership projects. Also includes the oversight and administration of a significant eminent domain acquisition program. Administration duties include building and maintaining the work program and budget, schedule, and manpower management, funds coordination, and oversight for a full range of consultant service providers.

SR A1A Bike Trail, Flagler County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail along the SR A1A right of way in Flagler County.

West Orange Trail Phase III, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on new alignment and city roadway including site development and permitting for a trailhead with paved parking and restrooms, RE wall design, and analysis for pedestrian overpass at US 441. The project plans were prepared to Orange County bid and award criteria.

Clermont - Minneola Bike Trail, FDOT District Five, Lake County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed connecting the cities of Clermont and Minneola. Project required close coordination with the cities and included an elaborate waterfront park with seawalls, pavilions, decorative pavement, parking areas, lighting, restrooms, and a clock tower.

Lake Fran - Dr. Smith Bike Trail, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on new alignment and city roadway including site development and permitting for a trailhead. The project plans were prepared to City of Orlando bid and award criteria.

Wekiva Trail, FDOT District Five, Seminole County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed in Seminole County. Project design required close coordination with county personnel and with adjacent residents and homeowners associations. Project plans include a decorative 100 foot span AASHTO beam bridge over the Little Wekiva River, various boardwalks, walls, two trailheads, a signalized intersection, decorative signage and landscaping.

US 17/92 Streetscaping, City of Deland, Volusia County, Florida: Department Project Manager for a JPA with the City of DeLand to design and construct a streetscaping project on US 17/92 that required the reconstruction of all downtown intersections with colored concrete pavement. Extensive coordination was required for Maintenance of pedestrians and roadway traffic through-out the project and especially at the intersection with SR 44 in the middle of the project. Project also includes interconnected mast arm resignalization, striping, and landscaping with irrigation.

Allen W. Schrumpf, PE

Quality Assurance/Quality Control



Years of Experience

34 Total
17 With Firm

Professional Registration/Certification

Professional Engineer No.
41673, Florida, 1989
Professional Engineer No.
29374, Alabama, 2008
Professional Engineer No.
032366, Georgia, 2007
Professional Engineer No.
27051, New Jersey, 1981
Professional Engineer No.
033463, North Carolina, 2007
Professional Engineer No.
25742, South Carolina, 2007

FDOT Maintenance of Traffic
Advanced Certification,
Florida, No. ORL-AMOT-
23171 (10/12/2012)

Education

Bachelor's of Engineering,
Stevens Institute of
Technology, 1976

Professional Affiliation

American Society of Civil
Engineers
American Society of
Highway Engineers
Florida Engineering Society,
Florida Institute of
Consulting Engineers, Chair
- Specifications Review
Subcommittee
Florida Greenbook
Committee, Chair - Work
Zone Safety Subcommittee

Instructor

Advanced Level - Work Zone
Traffic Control

Advanced Level Refresher -
Work Zone Traffic Control

PROFESSIONAL PROFILE

Allen W. Schrumpf, PE is the Director of Quality Control (QC) for the Transportation Division of DRMP. In that role, he is responsible for developing all project quality control plans, supervising all QC reviews, and preparing QC documentation. He also provides these review services to other consulting firms and public agencies on an independent contract basis.

He has also delivered seminars on the methods to administrate an effective Quality Assurance /Quality Control Program at FDOT Project Management Training and APWA conferences. To date, his review efforts number in excess of 500 different transportation projects in study phase and final design phase, and of all sizes and types.

RELEVANT PROJECT EXPERIENCE

RURAL AND URBAN ARTERIALS (FDOT MAINTAINED)

Mr. Schrumpf has provided QC services for more than 250 projects throughout nearly all seven of FDOT Districts involving resurfacing, widening, "transportation enhancements", sidewalk improvements, or reconstruction. Some involved bridge replacements (a few were of considerable length), new structures, pedestrian overpasses, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

MUNICIPAL ROADWAYS

Mr. Schrumpf has provided QC services for more than 200 projects throughout all of Florida, involving resurfacing, widening, "transportation enhancements", sidewalk improvements, bridge improvements, drainage system improvements, roadway reconstruction and new roadway alignments. Some also involved bridge replacements, new structures, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

CONSTRUCTABILITY REVIEWS

In particular, Mr. Schrumpf provided constructability review services under a Districtwide Contract for FDOT, District Five where he reviewed more than 50 projects (totaling \$750 million in construction) in a one-year period.

FINAL DESIGN

Mr. Schrumpf has also been in charge of the preparation of all engineering designs, plans, and specifications for improvements to all types of roadways. He has supervised all aspects of design, as well as permitting documents and Post-Design services during construction.

SR 542 Resurfacing Projects, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

I-4, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

US 301, Manatee County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

SR 82, Charlotte County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction project in the historic downtown area of Fort Myers, including scenic lighting enhancements, as well as extensive utility and drainage systems upgrades to serve this area of the city.

US 41 over the Gordon River, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening project from six-lanes to eight-lanes, bridge replacements, and specialized drainage/utility/lighting improvements.

International Drive Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new six-lane arterial with specialized decorative paving details at intersections. The improvements included extensive provisions for development of the area. Plans included potable water, sanitary and reuse lines, as well as coordination with electric and communications utilities.

Pinebrook Road Extension, Sarasota County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new four-lane arterial provided the neighboring developments more direct access to I- 75 since a new interchange was built adjacent to the project. Stormwater management ponds were configured to appear more natural to the area.

Vick Road Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new two-lane arterial, expandable to four-lanes with scenic enhancement elements (decorative brick screen walls and wrought iron fences, as well as extensive landscaping of the medians and roadside areas were part of the improvements).

Rock Springs Road Widening Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from three-lanes to five-lanes, including bicycle path features that will eventually become part of the West Orange Trail that stretches from Winter Garden to northern Apopka.

Mount Dora Alley Reconstruction, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction of an existing urban facility with paving blocks was part of Mount Dora's ongoing program of revitalization of their historic district.

Immokalee Road Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes, with the capability of expanding to a six-lane facility once warranted due to the rapid development of this section of Collier County.

CR 951 Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes. This involved two projects.

TRAFFIC CONTROL PLANS

In addition to being in complete charge of the projects listed above, Mr. Schrupf has served as the Project Engineer in responsible charge of development of Traffic Control Plans, while allowing the Contractor a means of completing the required improvements. Therefore, he must understand all aspects of the design plans, and their interdependency.

Ivey Lane Widening, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for roadway widening project from two-lanes to four-lanes included the replacement of a large drainage pipe.

Suncoast Parkway - Section 5, Florida's Turnpike Enterprise, Hernando County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

Western Beltway Section 602 and 603, Orange County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

US 192 Widening, Osceola County, Florida: Project Engineer for traffic control plans Widening from four-lanes to six-lanes/realignment.

Seminole County Expressway, Seminole County Expressway Authority, Seminole County, Florida: Project Engineer for traffic control plans of a new expressway with interchanges.

SR 35 Widening, Polk County, Florida: Project Engineer for traffic control plans Widening from three-lanes to five-lanes.

Northern Turnpike Signing Improvements, Florida's Turnpike Enterprise, Osceola, Orange and Lake Counties, Florida: Project Engineer for traffic control plans Replacement of nearly all signing, including several sign structures along about 50 miles of Florida's Turnpike.

Roadway Lighting Replacement on Matthews Bridge over the St. Johns River, Duval County, Florida: Project Engineer for traffic control plans for roadway lighting replacement on Matthews Bridge over the St. Johns River.

Haines Street Expressway Lighting improvements, Duval County, Florida: Project Engineer for traffic control plans for improving lighting along the Haines Street Expressway.

Miscellaneous Minor Design Projects, FDOT District Two, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

Miscellaneous Minor Design Projects, FDOT District Three, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

SR 19 Drainage Improvements, Lake County, Florida: Project Engineer for traffic control plans.

Lake Lorna Doone/Tampa Avenue Drainage Improvements, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for flood relief to improve the existing drainage systems within the vicinity of the project.

Lake of the Woods Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans.

Guernsey Basin Drainage improvements, Orange County, Florida: Project Engineer for traffic control plans for streetscape improvements as well as the addition of traffic calming (roundabout).

CR 540A Widening, Polk County, Florida: Project Engineer for traffic control plans for roadway widening from a two-lane rural roadway to a four-lane urban divided highway.

SR 434 (Alafaya Trail) Widening, Seminole County, Florida: Project Engineer for traffic control plans.

Because of Mr. Schrupf's comprehensive experience in Traffic Control Plans Development, he now serves as a Part-time Instructor in both categories of ongoing technical education:

- Advanced Level - Work Zone Traffic Control
- Advanced Level Refresher - Work Zone Traffic Control

J. Richard MacCalla, Jr.

Quality Assurance/Quality Control



Years of Experience

34 Total
4 With Firm

Education

Associate of Arts Degree,
Polk Community College,
1973

Certifications

Maintenance of Traffic –
Advanced Certificate No.
SAR-M2404764140

PROFESSIONAL PROFILE

John Richard MacCalla, Jr. is a senior project manager with DRMP and is currently responsible for plans quality assurance. He also prepares and reviews pavement designs, access management reports and provides project coordination.

Mr. MacCalla has extensive experience producing roadway resurfacing, widening, reconstruction and concrete rehabilitation projects. He has conducted access management reviews and prepared detailed traffic control plans. He managed the FDOT District One resurfacing program for over twenty years. This entailed the identification of candidate projects, preparing preliminary scopes, estimates and balancing the funding.

RELEVANT PROJECT EXPERIENCE

SR 95 (US 29), FDOT District Three, Escambia County, Florida: Mr. MacCalla performed quality assurance reviews of the roadway plans for the widening and reconstruction of SR 95 from a 4-lane rural to a 6-lane suburban section in Escambia County.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Mr MacCalla prepared the Pavement Type Selection Report for the entire SR 589 mainline corridor from US 98 to US 19. He also prepared the mainline Pavement Design Report for the corridor and the project specific design for the segment from US 98 to Cardinal Drive.

FDOT District One: Mr. MacCalla has prepared 21 Prescope/Concept Reports for future resurfacing and rehabilitation projects for the FDOT District One Office. The reports included field reviews of existing conditions, ADA analysis, existing pavement analysis and cost estimate preparation.

SR 500, FDOT District Five, Lake County, Florida: Mr. MacCalla prepared the Access Management Report, Pavement Design and Performed plans quality assurance for this 4 lane rural to 6 lane suburban widening and reconstruction project. Cost: \$47,000,000.

Lake Okeechobee Scenic Trail (LOST) (Design Build), FDOT Districts One and Four, Martin, Okeechobee, Glades, Hendry and Palm Beach Counties, Florida: Project manager for the two design build projects which constructed a multi-use trail located on the Herbert Hoover Dike around Lake Okeechobee. He managed the project from scoping to final acceptance. He provided the coordination between two FDOT Districts, US Army Corps of Engineers, FDEP Bureau of Greenways and Trails, South Florida Water Management District, the counties, local communities and special interest groups. \$12,000,000 construction cost.

SR 80, FDOT District One, Lee County, Florida: Mr. MacCalla performed two roles for this project, he provided the coordination for the access management and public information meeting while employed by the FDOT and plans quality assurance for DRMP. The existing 4 and 6 lane urban roadway with a dual use left turn lane was milled and resurfaced and a raised median constructed to provide access management and improved safety.

SR 684 (Cortez Road), FDOT District One, Manatee County, Florida: Mr. MacCalla prepared the Access Management Plan with coordination with Manatee County and the City of Bradenton. He was responsible for holding a public information meeting to present the proposed plan to the public and government officials. The median of the existing 4 and 6 lane urban roadway with numerous median openings and non-standard left turn lanes was upgraded and access management was incorporated into the design to reduce the number of median openings and provide sufficient queue lengths for left turning traffic. \$1,000,000 cost.

Small County Outreach Program, FDOT District One: Mr. MacCalla was the District One manager of this statewide program to assist the rural counties with their road programs. He was responsible for requesting candidate projects from the counties, reviewing the scopes of work, preparing estimates, prioritizing the projects and submitting the projects to the Office of Pavement Management.

Small County Resurfacing Assistance Program, FDOT District One: Mr. MacCalla was the District 1 manager of this statewide program to assist the rural counties with their resurfacing programs. He was responsible for requesting candidate projects from the counties, reviewing the scopes of work, preparing estimates, prioritizing the projects and submitting the projects to the Office of Pavement Management.

Resurfacing Program, FDOT District One, Florida: Mr. MacCalla was the resurfacing program manager for District One. He was responsible for reviewing the annual pavement condition survey, identifying candidate projects, scoping, preliminary estimates, and prioritizing the projects. He also managed three district wide design consultant contracts in support of the District's resurfacing program.

I-75 Reconstruction, FDOT District One, Sarasota and Manatee Counties, Florida: Mr. MacCalla was the Design Project Manager for four projects which reconstructed I-75 in Sarasota and Manatee Counties. The existing 6 lane rural Interstate with rigid pavement was reconstructed as a flexible pavement. He provided the detailed maintenance of traffic plan, Pavement Design and overall project management. The unique nature of the project utilized the existing concrete pavement as a linear supply of aggregate in the asphalt pavement.

SR 546, FDOT District One, Polk County, Florida: Mr. MacCalla was the Project Manager for three concrete rehabilitation projects on SR 546. He provided the roadway design plans for two of the projects and consultant project management for the third. The existing 4 and 6 lane rigid pavement was rehabilitated. Since joining DRMP, he has provided the quality assurance and project coordination for the second rehabilitation of each of these three projects.

Polk Parkway from South of Pace Road to I-4, Florida's Turnpike Enterprise, Polk County, Florida: Mr. MacCalla prepared the pavement design package for the addition of the two new southbound lanes, resurfacing of the existing northbound lanes and the Pace Road interchange.

S. Scott Early, PE

Roadway/Sidewalk Design; Signing & Pavement Markings; Signalization



Years of Experience

17 Total
4 With Firm

Professional Registration

Professional Engineer No.
51914, Florida, 1997

Education

Bachelor's of Science in Civil
Engineering, Auburn
University, 1992

Professional Affiliation

American Society of Civil
Engineers
Florida Engineering Society

Software Aptitude

MicroStation
GEOPAK
HCS
Synchro
ASAD
ICPR

PROFESSIONAL PROFILE

S. Scott Early, PE has over 17 years of experience in the engineering profession. He serves as Office Leader for DRMP's Pensacola office. Mr. Early possesses a wide range of engineering expertise in transportation, drainage and traffic-related projects. He has worked both in the private and public sectors of the industry.

Recently, he served as Design Manager for Escambia County, where he developed a design group to manage the County's in-house engineering requirements for transportation projects. These projects included: roadway widening, traffic engineering design and analysis, drainage design and analysis and developing engineering and CADD standards.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Project Manager for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Project Manager for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Early managed as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as Project Manager for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox St.), FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** Serving as Project Manager for the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Project Manager for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Assistant Project Manager and lead roadway engineer of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). Mr. Early was responsible for roadway and signalization design and for coordinating all other aspects including drainage and structures design. This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Project Manager for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

Pine Forest Road and West Roberts Road, Escambia County Engineering, Florida: Project Manager and lead designer for this 1.7 mile milling, resurfacing and drainage project. This project consisted of widening the existing roadway to 24' adding 5' paved shoulders, turn lanes on Pine Forest Road and major drainage improvements to prevent home flooding on West Roberts Road.

10 Mile Road and Highway 95A, Escambia County Engineering, Florida: Project Manager and lead designer for this major intersection improvement. This project included the addition of curb and gutter, closed system drainage and left turn lanes on all four approaches. Additional improvements were made to an existing County stormwater management facility along with a new signal installation at the intersection. Mr. Early also assisted in the right-of-way acquisition for this project.

Marcus Pointe Boulevard and "W" Street, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Marcus Pointe Blvd., the addition of curb and gutter and the modification to existing stormwater structures within the project limits.

West Fairfield Drive and Ruby Avenue, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Ruby Avenue and modifications to the existing signal on Fairfield Drive. This project demanded significant coordination with the Florida Department of Transportation affected utilities companies and a single property owner who donated the right-of-way to help make the project a success.

72nd Avenue and US 98, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project had to be coordinated with ongoing construction activities by the Florida Department of Transportation as part of their efforts to widen US 98 to four lanes. Modifications to the proposed traffic signal along with all work within the FDOT right-of-way had to be coordinated with FDOT and their contractor so as not to delay both projects.

North 9th Avenue and Tippin Avenue, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Tippin Avenue, the addition of curb and gutter and closed system drainage to eliminate known drainage problems within the intersection.

SR 10 (US 90) Over the Choctawhatchee River, FDOT District Three, Holmes and Washington Counties, Florida: Project Engineer responsible for roadway design, drainage design, and plans preparation, Preparation of roadway and traffic control plans for this major bridge crossing.

SR 289, 9th Avenue at Airport Boulevard, FDOT District Three, Escambia County, Florida: Project Engineer, responsible for layout and design of mast arms, full pedestrian features, and signal timings for this major, urban intersection. Also, Mr. Early was responsible for all drainage design elements for the project.

SR 289 (9th Avenue), I-10 to Olive Road, FDOT District Three, Escambia County, Florida: Project Engineer for design and preparation of plans for widening SR 289 from a two-lane undivided to a four-lane divided roadway. Project involved plans for approximately one mile of new four-lane roadway, a closed drainage system and retention pond, and improvements to the Olive Road intersection including signalization. Close coordination was required with a concurrent Olive Road project.

SR 263, Capital Circle, FDOT District Three, Leon County, Florida: Project Engineer, developed detailed traffic analysis and conceptual design plans for mainline and two-way frontage roads. Traffic analysis included traffic flow patterns based on ITE Trip Generation, Passer II Arterial Progression, and HCS Analysis.

US 98 PD&E Study, FDOT District Three, Santa Rosa and Okaloosa Counties, Florida: Project Engineer on a roadway planning and environmental study of a 30-mile corridor in southern Santa Rosa and Okaloosa Counties. Developed conceptual plans for the project which included an urban freeway with frontage roads. Drainage Engineer responsible for determining pond sites throughout the project for stormwater management and treatment. Also, responsible for the layout and design of the closed system drainage facilities.

Scenic Highway and Westinghouse Entrance, Escambia County, Florida: This project consisted of a grant secured by the Chamber of Commerce from the Office of Tourism and Economic Development for the purpose of reducing traffic accidents at the intersection and to increase the width of the intersection for truck traffic into and out of the Westinghouse facility. Mr. Early was responsible for the design to widen the intersection to accommodate a northbound left turn lane and a southbound right turn lane. This project also involved the extension of a large double box culvert and the installation of a new rail crossing and the associated rail signals and gates.

Navarre Beach Multi Use Path, Santa Rosa County Florida: Project manager and lead designer for this three mile, ten foot wide multi use path all along the north side of Navarre Beach Parkway on Santa Rosa Island. This project involved a meandering path with native landscaping and side street signing to help inform both the path users and the motorist. Also, this project had a fixed budget of \$600,000 which Mr. Early was able to meet through proper material type selection for the path.

Edgewater Sidewalks, Escambia County Florida: Project Manager and lead designer for over two miles of sidewalk located in a dense neighborhood and a constrained right-of-way. This project also involved drainage modifications, roadway modifications and safety features such as hand rail and side street signing.

Jim L. Hagon, PE

Roadway/Sidewalk Design; Utility Coordination/Design



Years of Experience

14 Total
4 With Firm

Professional Registration

Professional Engineer
No. 63848, Florida, 2005
Professional Engineer No.
29023- E, Alabama, 2007
Professional Engineer No.
32455, Georgia, 2007
Professional Engineer No.
18378, Mississippi, 2008

Education

Bachelor's of Science in Civil
Engineering, Michigan State
University, 2000

Professional Affiliation

Co-Chair of Scholarship
Committee, Florida
Engineering Society, 2010
National Society of
Professional Engineers
Pensacola Young
Professionals

Certifications

Advanced Maintenance of
Traffic, FDOT expires
5/4/2014

FDOT 2010 PD&E Training

FDOT Specifications Trained
Public Involvement in PD&E

PROFESSIONAL PROFILE

Jim L. Hagon, PE serves as a Senior Project Engineer for DRMP's Pensacola office. He acts as a Project Manager, Assistant Project Manager and Project Engineer on a variety of projects and has 14 years of experience. He is responsible for managing projects throughout the planning and design phases.

Other projects Mr. Hagon has worked on have included experience with roadway multi-lane widening, corridor planning and Community Redevelopment Agencies. He is experienced in working on Project Development and Environmental (PD&E) documents. He researched and wrote several documents including a Preliminary Engineering Report, a Contamination Screening Report and several Public Involvement Reports. He has several years of construction engineering inspection experience and has assisted in both geotechnical drilling operations and basic survey tasks.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Senior Project Engineer for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

SR 369 (Crawfordville Highway), FDOT District Three, Leon County, Florida: Engineer for SR 369 (Crawfordville Highway) from L.L. Wallace Road to State Road 61 (US 319) Segment 1. This project consisted of widening 1.7 miles of two-lane roadway to four-lane roadway. Assisted Project Manager with final signed and sealed submittal. Ensured complete design document. Addressed Florida Department of Transportation geometric comments. Finalized project limits. Performed Pre-QC plan review prior to internal QC process.

District Wide Miscellaneous Safety Contract, FDOT District Three: Assistant Project Manager for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Hagon managed as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as a Assistant Project Manager for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Serving as Assistant Project Manager for the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Assistant Project Manager for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** Serving as Assistant Project Manager for this project which includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

SR 10 over Yellow River Bridge Replacement, Okaloosa County, Florida: Serving as the Roadway Senior Project Engineer in the design of this bridge replacement project from west of the existing

Yellow River bridge to Antioch Road. Major work for this project includes the replacement of the structurally deficient bridge currently over Yellow River. Additional work includes reconstructing the approaches, as well as improving drainage, upgrading guardrail, and coordinating potential utility conflicts.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Senior Project Engineer for the design of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Assistant Project Manager and Project Engineer for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

SR 500 (US 27/441), FDOT District Five, Lake County, Florida: Senior Project Engineer for this 3.5 mile, four-lane to six-lane widening project from south of CR 460 to north of Lake Ella Road. Principal tasks included quantity computation and preparation of quantity computation book. Project included roadway widening, milling and resurfacing, bike lane addition, and drainage structures.

SR 75 (US 231), FDOT District Three, Jackson County, Florida: Senior Project Engineer in this 3.4 mile 3R project from SR 73 to north of Jacobs Rd. Responsibilities included assisting in utility coordination and bid documents. Project included milling and resurfacing, construction of left turn lanes, and addition of bike lanes.

SR 61/SR 369 (Crawfordville Highway), FDOT District Three, Wakulla County, Florida: Project Engineer for Crawfordville Highway (SR 61/SR 369) from Lower Bridge Road to East Ivan Road through Crawfordville, Florida. This five mile urban multi-lane design project consists of widening existing two lanes to four lanes through a downtown area with limited right-of-way. Completed estimates and computation book using spreadsheets and Adobe Acrobat. Used FDOT's web-based TRANSPORT to enter quantities. Created Summary of Quantity sheets. Drafted horizontal features, curb ramps, driveways, and medians following FDOT Standards. Inventoried existing signs and developed a pavement marking and signing plan set. Used GuidSign software to create unique destination signs. Identified community services and 4(f) properties and minimized impacts. Corresponded with FDOT Right-of-Way specialist for funding Right-of-Way cost. Coordinated and interpreted wetland delineated areas, endangered species and karst features with biological sub-consultants. Ensured sub-consultants perform Electronic Signing and Sealing. Completed draft final design document for submittal. Performed pre-QC plan review prior to internal QC process. Assisted Project Manager with meeting deadline and delivery.

SR 85, FDOT District Three, Okaloosa County, Florida: Engineer for SR 85 (Ferdon Boulevard) from North of I-10 to South of Brock Avenue. This 1.6 mile resurfacing project is located in the City of Crestview. Coordinated and performed several field visits to gather design data. Confirmed ADA compliance for driveways, cross streets and sidewalks. Verified sign locations and recorded age.

SR 87 (Segment 3), FDOT District Three, Santa Rosa County, Florida: Project Engineer for SR 87 (Segment 3) from North of Five Forks Road to Eglin Air Force base boundary. This 3.0 mile project consists of widening the existing two-lane roadway into a four-lane highway. Assisted Project Manager with submittal coordination. Completed final design document for submittal. Evaluated guardrail need and use. Addressed plan and guardrail comments from Florida Department of Transportation. Conducted field review. Reviewed plans prior to QC Review by internal QC Department.

Gulf Beach Highway Sidewalk Improvements, Escambia County, Florida: Serving as Assistant Project Manager in the design of 5.0 miles of sidewalk along both sides of Gulf Beach Highway from Blue Angel Parkway to Perdido Key Drive. Major work for this project includes the coordination with the County staff to minimize right of way acquisition while maintaining a cost effective pedestrian walkway. Identified three segments to be constructed in phases to get the project built. Offered alternative bid for asphalt path to minimize cost to the Client.

Escambia County Roadway Assessment, Escambia County, Florida: Project Engineer for Escambia County Roadway Assessment post Hurricane Ivan. Evaluated 290 miles of County roadways to determine damage caused by Hurricane Ivan or to the increased truck traffic since the hurricane. Determined FEMA reimbursement or Federal Highway Administration eligibility. Exported roadway data collected in handheld GPS units and quantified distresses. Created reports and estimates for design fees and construction costs. Provided digital photos of distresses and recommended priorities. Reviewed pre-Hurricane Ivan traffic data, inspection data and history of roadway paving. Obtained FEMA reimbursement for Escambia County.

Pensacola Community Redevelopment Agency (CRA), Escambia County, Florida: Project Engineer for City of Pensacola Community Redevelopment Agency (CRA) construction projects. Documented contractor's progress with digital photos and daily reports at Palafox Pier Marina reconstruction and Bayfront Auditorium demolition. Worked closely with City of Pensacola CRA Director, Developer, Contractors, Project Manager and others. Ensured docks, a utility building, fuel dispensing devices, plumbing, electrical and other mechanical services were installed per plans and specifications. Coordinated concrete debris recycling with Bayfront Auditorium Demolition Contractor, County Marine Services Division and Project Manager to create an artificial fishing reef in Gulf of Mexico.

Chad M. Friday, EI

Roadway/Sidewalk Design



Years of Experience

4.5 Total

4.5 With Firm

Professional Registration

Engineering Intern

No. 14399, Alabama, 2006

Education

Bachelor's of Science in Civil Engineering, Auburn University, 2006

Software Aptitude

MicroStation, Versions 8 & XM

Bentley GEOPAK, 2004 and 2008

FDOT Crash Analysis Reporting System (CAR)

FDOT Crash Reduction Analysis System Hub (CRASH)

PROFESSIONAL PROFILE

Chad M. Friday, EI serves as a Project Engineer for DRMP's Pensacola office. He is experienced with roadway reconstruction, widening, milling and resurfacing, drainage, signing and pavement markings, signalization and quantity computation books. Prior to graduation, Mr. Friday worked for a pre-cast structural engineering firm. Here, his responsibilities included casting concrete for pre-cast bridges and tying steel cages which were used in the pre-cast forms. He also assisted in basic surveying tasks.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as the Project Engineer in the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. Tasks included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

District Wide Miscellaneous Safety Contract, FDOT District Three: Project Engineer for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Friday provided design support services for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as a Project Engineer for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** Served as Project Engineer in the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Project Engineer in the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** Served as Project Engineer in the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Serving as Project Engineer in the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Project Engineer for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** Serving as Project Engineer for this project which includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

SR 10 over Yellow River Bridge Replacement, Okaloosa County, Florida: Serving as the Roadway Project Engineer in the design of this bridge replacement project from west of the existing Yellow River bridge to Antioch Road. Major work for this project includes the replacement of the structurally deficient bridge currently over Yellow River. Additional work includes reconstructing the approaches, as well as improving drainage, upgrading guardrail, and coordinating potential utility conflicts.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Assisting the Senior Project Engineer in the design of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

Julian A. Poole, EI

Roadway/Sidewalk Design

Years of Experience

2 Total
2 With Firm

**Professional
Registration/Certification**
Engineering Intern
No. 1100013331, Florida,
2008

Education
Bachelor's of Science in Civil
Engineering, University of
Florida, 2008

Software Aptitude
MicroStation, Versions 8 &
XM
Bentley GEOPAK, 2004
GuidSIGN

PROFESSIONAL PROFILE

Julian A. Poole, EI serves as a Project Engineer for DRMP's Pensacola office. He is experienced with roadway widening, milling and resurfacing, signing and pavement markings, signalization, cost estimates, and quantity computation books.

RELEVANT PROJECT EXPERIENCE

District Wide Miscellaneous Safety Contract, FDOT District Three: Project Engineer for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Poole provides design support services for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as a Project Engineer for this project, which includes analyzing traffic data and performing field reviews to identify potential intersection safety projects.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Serving as a Project Engineer for this project, which consists of the addition of eastbound and westbound left turn lanes for SR 267. Other tasks include upgrading existing signals and various drainage improvements.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** Serving as Project Engineer for this project, which consists of the addition of eastbound and westbound left turn lanes along SR 292. This project also includes drainage improvements.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Project Engineer for this project, which consists of the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Serving as a Project Engineer for this project, which consists of the addition of a fully operational traffic signal supported by mast arms at the intersection.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Serving as a Project Engineer in the design of this 2.5 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to 1/2 mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

SR 10 over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Serving as a Project Engineer for this design project, which includes the replacement of the structurally deficient bridge currently over Yellow River. Additional work includes reconstructing the approaches, as well as improving drainage, upgrading guardrail, and coordinating potential utility conflicts.

SR 10 (US 90A/Nine Mile Road) PD&E Study, Escambia County, Florida: Serving as a Project Engineer for this Re-evaluation which involves proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida.. Mr. Poole assisted with Public Involvement, Crash Data Collection, Access Management, and Design Criteria. Mr. Poole was also responsible for the development of the design alternatives.

Travis N. Shannon, EI

Roadway/Sidewalk Design; Utility Coordination/Design; Stormwater Design

Years of Experience

4.5 Total

4.5 With Firm

Professional

Registration/Certification

Engineer Intern No.

1100012073, Florida, 2007

Education

Bachelor's of Science in Civil

Engineering, Florida State

University, 2007

Software Aptitude

AutoCAD

MicroStation

Geopak

Geopak Drainage

ASAD

AdICPR

HEC-RAS

HY-8

Modret

ArcMap GIS

Microsoft Project

PROFESSIONAL PROFILE

Travis N. Shannon, EI is currently a project engineer for drainage and stormwater projects in the Tallahassee office. He is experienced with roadway construction, widening, drainage improvements, and quantity computation books. His duties include analysis and design as well as plans production. Before getting his degree, Travis worked as an engineering technician in DRMP's Panama City office. Upon graduation, he moved to the Orlando DRMP office where he participated in the PE training program. He worked in the water resources and transportation departments for approximately one year before moving to Tallahassee.

RELEVANT PROJECT EXPERIENCE

Capital Circle SE, Blueprint 2000, Leon County, Florida: This 3.1 mile, design build, roadway widening project included the expansion of a rural two lane road to an urban six lane section with curb and gutter and sidewalks. Responsibilities included stormwater management facility and secondary collection system design, plans production, shop drawings reviews, and extensive coordination and field visits with the contractor. This project is expected to be complete mid-2010.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Served as Drainage Project Engineer responsible for the Pond Siting Report, design of onsite and offsite collections systems, design of the stormwater management facilities, hydraulics report and calculations, and all necessary drainage construction plans per FDOT requirements. The project design consisted of a 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor.

District Wide Miscellaneous Safety Contract, FDOT District Three: Served as Drainage Project Engineer for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Shannon provided drainage support services for as many as eight assignments at any one time for this important safety contract.

- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** This 0.5 mile roadway project included the addition of east and westbound left turn lanes along SR 267. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 292. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 173. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 30A at Lyndell Lane, FDOT District Three, Bay County, Florida:** This roadway project included the addition of a right turn lane along SR 30A onto Lyndell Lane. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.

SR 10 (US 90A/Nine Mile Road) PD&E Study, Escambia County, Florida: Serving as the Drainage Project Engineer for this Re-evaluation which involves proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida. This roadway segment was included in a previous Type 2 Categorical Exclusion for SR 10 (US 90A/Nine Mile Road) from the Alabama State Line to University Parkway and SR 297 (Pine Forest Road) from SR 8 (I-10) to SR 10 (US 90A/Nine Mile Road), approved on May 1992. This Re-evaluation began in November 2009 and is expected to be completed in early 2011. Responsibilities include the preparation of a Pond Siting Report and participation in public involvement meetings.

I-10/US 29 Interchange and I-10 Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Serving as the Drainage Project Engineer for this PD&E Study Re-evaluation which involves proposed improvements to the existing SR 8 (I-10)/SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to a point just west of the recently improved I-10/I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a finding of No Significant Impact (FONSI) approved in May 2000. This Re-evaluation began in June 2009 and is expected to be completed by the end of 2010. Responsibilities include the preparation of a pond siting report and participation in public involvement meetings.

SR 10 (US 90) over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Served as Drainage Project Engineer for the 1617-foot long bridge replacement project. This project includes short spans to accommodate difficult construction access. Project challenges include scour, constructability issues with shallow water depths, environmental constraints and existing remnant pile removal. Existing concrete bridge was reused as an artificial reef. Responsibilities included preparation of Bridge Hydraulics Report, No-Rise Engineering Certification, drainage report and construction plans.

Lake Underhill Road RCA, City of Orlando, Orange County, Florida: This Roadway Corridor Analysis included preliminary engineering design for upgrading approximately 3.9 miles of Lake Underhill Road from a two lane to a four lane section. Responsibilities included the proposed stormwater pond analysis and design as well as providing solutions and calculations for enclosing approximately 1.5 miles of the Rio Pinar Canal with dual concrete box culverts ranging in size from 6'x6' to 10'x7'. Extensive modeling (AdICPR) was required analyze these impacts to surrounding areas as well as the Little Econlockhatchee River.

Osceola Parkway Phase II, Osceola County, Florida: Served as Drainage Project Engineer for the proposed improvements to Osceola Parkway included expanding the existing two-lane roadway to a four-lane typical section with the planned future expansion to a six lane section. This project is located south of Orlando, just east of I-4. Specifically, responsible for designing the collection systems, providing drainage calculations for the Hydraulics Report, and for producing the drainage construction plans associated with these tasks.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise Hernando and Citrus Counties, Florida: Performed drainage calculations for the preliminary roadway criteria of the predevelopment conditions and later designed and produced the construction plans for the access roads for the proposed interchange with Cardinal Road. Suncoast Parkway is a newly proposed four lane, limited access roadway facility on the west coast of Florida above Tampa.

Ebinport Road Widening, York County, South Carolina: Serving as Drainage Engineer for a two-mile roadway widening project on Ebinport Road from Cherry Road to India Hook Road in Rock Hill. Responsibility included designing the secondary collection system and the erosion control measures.

Finding of Necessity Report, City of Parker, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Finding of Necessity Report, City of Cedar Grove, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Michael J. Leo, PE

Structural Design



Years of Experience
17 Total
5 With Firm

Professional Registration
Professional Engineer
No. 50616, Florida, 1996

Education
Master's of Science in Civil
Engineering, University of
Central Florida, 1992

Bachelor's of Science in Civil
Engineering, University of
Central Florida, 1990

Professional Affiliation
American Society of Civil
Engineers

- ASCE East Central Branch
- Structural Technical Group Board of Directors 2000-2004
 - ASCE Younger Members Forum President 1993-1994

American Concrete Institute

PROFESSIONAL PROFILE

Michael J. Leo, PE is a Senior Project Manager in DRMP's Structures Department. He has been involved in all phases of design, from preliminary engineering to the final design of highway-related structures for conventional and design/build projects. He is responsible for the preparation of preliminary and final design calculations and plans production on rehabilitation, bridge replacement and new bridge projects.

Specific responsibilities have included the design and analysis of both superstructure and substructure of various bridge types. Superstructure design has included flat slabs, pretensioned girders, precast slab units, double tees, post-tensioned bulb-T girders and steel plate girders. Substructure design experience includes conventional reinforced concrete piers, pile bents, post-tensioned caps, precast post-tensioned columns and ship impact analysis. Other duties include quality assurance; design of box culverts, custom drainage structure, mast arms and sheet pile; load ratings; bridge inspection and report preparation; cost estimates; proposal preparation; quantity takeoffs and shop drawing review.

RELEVANT PROJECT EXPERIENCE

SR 263 over Munson Slough, FDOT District Three, Leon County, Florida: Structural Project Engineer for this project that involved the replacement of the substandard barriers of an AASHTO girder bridge.

SR 95 (US 29) from SR 8 (I-10) to SR 10 (US 90A, Nine Mile Road), FDOT District Three, Escambia County, Florida: Structural Project Manager for this project that involves the widening of the existing four-lane facility to a six-lane facility and the replacement of the bridges over Nine Mile Road. SR 95 is on the FHIS system and is designated as a primary hurricane evacuation route. Construction phasing and recommended bridge type was heavily influenced by the need to maximize traffic flow both on and under the bridges throughout construction. The solution was a single two span AASHTO Type IV Bridge constructed in three phases. Temporary sheet pile and MSE wall was used throughout the interchange to facilitate traffic control and construction.

SR 10 over Cypress Slough, FDOT District Three, Washington County, Florida: Structural Project Manager for this project that involved the replacement of existing structures over a slough. The replacement structure used AASHTO girders on a shaft bent substructure. Responsible for the preparation of all final design calculation, quantity calculation and final drawings.

Picciola Bridge Improvements Road, Lake County, Florida: Project Manager for this project that involves the replacement of an existing bridge founded on timber piling with a single span AASHTO beam bridge. Led all engineering disciplines and an extensive public involvement effort to identify a preferred roadway alignment and bridge alternative.

SR A1A Milling and Resurfacing Project, St. Lucie County, Florida: This project originally involved the rehabilitation of a three mile segment of SR A1A on Hutchinson Island and included only barrier retrofits at five bridge sites. At the request of St. Lucie County, sidewalks were included along the full length of the project. Three flat slab bridges were widened to accommodate the sidewalks. AASHTO beam bridges over Florida Power and Light's (FPL) St. Lucie Nuclear facility's intake and discharge canals were retrofitted to accommodate a barrier separated sidewalk without widening the bridges. The bridge decks were partially removed using the hydro-blasting technique and additional reinforcing was added to resist the TL-4 loading on the new barrier. This innovative approach resulted in substantial cost savings and alleviated FPL's concerns over debris flow into their facility. All bridge barriers unaffected by widening were retrofitted to meet current criteria. Mr. Leo served as Structural Project Manager leading this design effort.

CR 561 over Lake Minneola and CR 561A over Lake Minnehaha, Lake County Bridge Replacements, Lake County, Florida: Structural Project Manager for this project that involves the replacement of existing timber structures over two waterways. The replacement structures both use AASHTO girders on pile bent substructures. Prepared final design calculations and plans. Additionally, served as Project Engineer for the construction inspection services. Led the project team through preliminary design, final design and construction.

Curry Ford over Azalea Park Outfall, Orange County, Florida: Design Engineer responsible for design of slabs, prestressed beams and multi-column piers on pile foundations.

Veteran's Expressway, Tampa-Hillsborough County Expressway Authority, Hillsborough County, Florida: Design Engineer responsible for coordinating and performing the shop drawings review for all structural elements on the seven segments of this expressway. Review included MSE walls, bearing pads, structural steel beams, AASHTO girder designs and detail, SIP forms, drainage structures, expansion joints, pot bearings, sign structures and drilled shaft foundations.

Center Fixed Bridge and South Fixed Bridge Replacements, Gasparilla Island Bridge Authority, Charlotte County, Florida: Lead Structural Engineer for two replacement bridges for GIBA's center fixed bridge and south fixed bridge. The center fixed bridge is approximately 672 feet in length and the south fixed bridge is nearly 240 feet long. Both bridges are located on the GIBA's 2.5 mile long private road over the Boca Grande Causeway. GIBA's two fixed bridges are critical to the transportation needs of the public as they are the only land link between Placida in Cape Haze and Gasparilla Island. Mr. Leo is currently finalizing the Bridge Development Report. This information and research can be reused for the GIBA Swing Span project.

SR 570 (Polk Parkway) Design Build, Florida's Turnpike Enterprise, Polk County, Florida: Structural Project Manager for this design build project for this three-mile project which will convert Polk Parkway from the existing two-lane two-way operation to a four-lane divided section, including a new par-clo interchange at Pace Road to serve the new campus of the University of South Florida. Project limits are from Interstate-4 to the proposed Pace road Interchange. Mr. Leo led the design of all structures including the widening of the existing bridge over Pace Road to accommodate dual northbound ramps, the addition of a new southbound bridge, retaining walls, numerous sign structures and structure to support tolling equipment.

Mainline Turnpike Widening from Beulah Road to SR 50, Florida's Turnpike Enterprise, Orange County, Florida: Structural Project Manager for widening five miles of the Mainline Turnpike from Beulah Road to SR 50 in Clermont. This project includes phased removal and reconstruction of the twin mainline bridges over Avalon Road, the removal and replacement of Winter Garden Vineland Road over the Turnpike and the inside and outside widening of the twin mainline bridges over SR 50. The widening at SR 50 was complicated by existing MSE retaining wall at the end bents which required partial removal and reconstruction to resist additional earth loading imposed by the widening. Two bridges north of SR 50 were modified with tie back walls to accommodate a proposed northbound on-ramp. Also, included were over three miles of precast and cast-in-place sound walls. Mr. Leo led the structural design effort from the concept stage through final design.

SR 80 Widening, FDOT District One, Hendry County, Florida: Structural Project Manager for this project that includes the widening of SR 80 from a two lane to a four lane facility and the replacement of an existing substandard bridge with dual bridges over the Okaloacoochee Branch. The proposed AASTHO Type V bridges will accommodate both vehicular traffic and a multi-use trail.

Lakeland In-Town Bypass (SR 548), Lakeland, FDOT District One JPA with the City of Lakeland, Polk County, Florida: Lakeland Intown Bypass will be a controlled access multi-lane facility located near downtown Lakeland. The project will provide continuity for several federal and state routes that are presently unconnected. Mr. Leo served as Structural and Post-Design Project Manager for this project which included over a mile of roadway reconstruction, new construction and realignment, and a bridge over the CSX Railroad. Land use changes in the vicinity of the bridge occurred late in the design process which reduced the bridge length requirement. Mr. Leo led the redesign of the bridge and delivered to District 1 on a compressed schedule. The redesigned bridge is a composed of a single span of 78" Bulb-T beams with MSE Wall on the approaches.

Apollo Boulevard Extension, FDOT District Five, Brevard County, Florida: Project Manager for this project that involved the widening of a portion of existing Apollo Boulevard from two lanes to four lanes and the extension of Apollo Boulevard over the Eau Gallie River. Subconsultant role included survey, right-of-way mapping, traffic engineering and structural design. Mr. Leo led this effort from concept to final design. The 650 foot AASHTO Type II bridge falls on a segment of roadway that includes reverse curvature and superelevation transition. Project challenges included poor soil, artesian conditions, constrained right-of-way, complex geometry and an active public involvement program.

Taft-Vineland Road, Florida's Turnpike Enterprise, Orange County, Florida: Structural Project Manager for this project that included the replacement of an existing three-span bridge with two-span twin parallel structures over the Florida's Turnpike. The proposed structures consist of AASHTO Type V beams on multi-column piers.

Florida's Turnpike over Apopka-Vineland Road, Florida's Turnpike Enterprise, Orange County, Florida: Project Engineer for this project that involves the replacement of two existing Turnpike bridges and a new bridge over Steer Lake. The replacement structures use AASHTO girders supported by piers that are founded on pre-cast piling. Maintenance of four lanes of traffic on the Turnpike throughout construction was critical to the success of this project. To facilitate lane shifts, a bridge widening was constructed that was eliminated in a subsequent phase. The new structure over Steer Lake is over 500 feet long and consists of pre-stressed beams on concrete pile bents. This bridge was constructed using a combination of temporary fill and barges floated in the lake. Responsibilities included designing and checking design of structural components, plans development and quality control, quantity estimations and post design services. Post design services included adding median substructure elements to accommodate an update to the future turnpike typical section.

SR 776 Bridge Replacement over Myakka River, FDOT District One, Charlotte County, Florida: Key member of the team that designed the 1,380-foot bridge to replace the existing structure. The bridge replacement was part of a 3.8-mile project to widen the two-lane urban highway to four lanes. Also involved with quality assurance.

Michael K. Albano, PE

Structural Design



Years of Experience

20 Total

20 With Firm

Professional Registration

Professional Engineer
No. 48127, Florida, 1994

Professional Engineer
No. 032151, Georgia, 2007

Professional Engineer No.
35565, North Carolina, 2009

Professional Engineer No.
27059, South Carolina, 2009

Education

Bachelor's of Science in Civil
Engineering, University of
Florida, 1989

Professional Affiliation

American Society of Civil
Engineers

Florida Engineering Society

PROFESSIONAL PROFILE

Michael K. Albano, PE is a Vice President of DRMP and serves as the Structures Division Manager. In this capacity, he oversees all structure projects. He has managed numerous multiple bridge projects, serving as the Engineer of Record and overseeing complete plans production. Mr. Albano has also functioned as a Project Manager on several design projects. His design experience includes post-tensioned bulb-T girders, steel girder bridges, AASHTO girder bridges, cast-in-place flat slab bridges, Florida double-tee bridges, bridge widenings, bridge repair of bascule bridges, bridge phase construction with special construction loading conditions.

Other design assignments have included sound wall design, sheet pile wall design, retaining wall design, steel pipe pile design, utility pipe hanger design, mast arm pole design, miscellaneous environmental structure designs and various maintenance traffic plans. Planning assignments have included preparing Bridge Development Reports, PD&E Studies, and developing conceptual plans. Construction assignments have included structural field inspections, shop drawing review, and design support during construction of projects.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90) over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Project Manager responsible for managing all engineering disciplines for the 1,617-foot long bridge replacement project. This project includes short spans to accommodate difficult construction access. Project challenges include scour, constructability issues with shallow water depths, environmental constraints and existing remnant pile removal. Existing concrete bridge was reused as an artificial reef.

CR 540A over Slime Pit, Polk County, Polk County, Florida: Engineer of Record for a 20 span 611' bridge over a slime pit. The superstructure consisted of a cast-in-place flat slab with a raised sidewalk and raised median. The substructure components were made up of 18" pile supported bents. The design also included a geosynthetic retaining wall with precast panels at one end bent. Major issues during the project were railroad coordination, construction within the railroad right-of-way and the poor soils within the slime pit. The project also included post design services with shop drawing review.

SR 434 Widening over Little Econlockhatchee River, FDOT District Five, Seminole County, Florida: Engineer of Record for the structural design and plans production of a six span 300' major bridge widening. The superstructure was comprised of Type II AASHTO girders with a cast-in-place deck with sidewalks and a raised concrete median. The substructure components were made up of 18" pile supported bents. The design also included MSE retaining walls and post design services including shop drawing review.

SR 55 Widening, FDOT District One, Manatee County, Florida: Mr. Albano served as the Engineer of Record for this project which included 4 bridge sites. The bridge design included one replacement and three widenings. All bridges utilize AASHTO girder beams. Due to site access constraints drilled shaft foundations were required at the SR 55 over SR 43 Bridge.

CR 209 over Black Creek, FDOT District Two, Clay County, Florida: Project Engineer responsible for QA and QC for this project which includes a seven span AASHTO beam Bridge over the Black Creek Tributary of the St. Johns River. The foundation of this bridge involved a multi-column piers founded on 54 inch diameter drilled shafts. Vessel impact criteria was considered during the design of the foundations.

SR 415 over the St. John's River, FDOT District Five, Volusia County, Florida: Mr. Albano was responsible for quality assurance/quality control for this project that involves construction of a new 2,231 foot bridge over the St. John's River and retrofit of the existing 2,426 foot bridge. The existing bridge will carry northbound traffic and the new bridge is to carry southbound traffic as part of a two lane to four lane widening project. The approaches of both the existing and the new bridge are comprised of 65 foot spans using Type III AASHTO Beams supported by pile bent foundations. Both the new bridge and the retrofit of the existing bridge will incorporate a three span continuous steel plate girder superstructure supported by vessel resistant piers at the St. John's River Channel. Retrofit of the existing bridge involves removal of seven spans of Type III AASHTO beam spans supported by pile bents at the St. John's River Channel that are to be replaced with the continuous steel beam superstructure.

SR 528 (Beachline) Widening, Florida's Turnpike Enterprise, Orange County, Florida: Served as the Project Manager and Engineer of Record for the structural improvements along this toll facility. This project involves the widening of an 8.4 mile segment of SR 528 from a four-lane to a six-lane section. Structural improvements include bridge widenings, bridge replacements and new bridges over roadways, waterways and CSX railways. All bridges utilized AASHTO concrete beams and deep foundation substructures. Responsible for overall design, project management and Quality Control of all 14 bridge sites.

SR 408 Widening, Contract 252B, Orlando-Orange County Expressway Authority, County, Florida: Mr. Albano served as the Engineer of Record for this project which included the widening of 6 bridge sites. All bridges utilized AASHTO concrete beams and deep foundation substructures. This project includes tiered planter walls and over 17,000 feet of soundwalls and various retaining walls.

Heintzelman Boulevard, Greater Orlando Aviation Authority, Orange County, Florida: Mr. Albano served as the Engineer of Record for this project which included five bridge sites. This project included two overpass bridges and three stream crossings. One of the stream crossing bridges required a flared-end concrete flat slab bridge. All other bridges were AASHTO concrete beams with deep foundations.

Center Fixed Bridge and South Fixed Bridge Replacements, Gasparilla Island Bridge Authority, Charlotte County, Florida: Currently serving as the Project Manager for two replacement bridges for GIBA's center fixed bridge and south fixed bridge. The center fixed bridge is approximately 672 feet in length and the south fixed bridge is nearly 240 feet long. Both bridges are located on the GIBA's 2.5 mile long private road over the Boca Grande Causeway. GIBA's two fixed bridges are critical to the transportation needs of the public as they are the only land link between Placida in Cape Haze and Gasparilla Island.

SR 408 Widening, Contract 253C, Orlando-Orange County Expressway Authority, Orange County, Florida: Engineer of Record for all structural design aspects of this project that includes four bridge widenings, a replacement bridge and two new bridges. Included with the project are sound walls, decorative retaining walls, and toll plazas. One of the two new structures on this project included a braided ramp bridge constrained by roadway geometry that required structural depth to be minimized. This was accomplished using steel plate girders framed into steel box pier caps supported by both hammer head and straddle piers. The other replacement bridge is a 156 foot long single span steel plate girder bridge over SR 436. All other bridges utilized AASHTO concrete beams and deep foundation substructures.

SR 429 Section 201, SR 429 Viaduct over General Electric Road, Orlando-Orange County Expressway Authority, Orange County, Florida: Provided overall quality control for plans production for two 882' nine span AASHTO beam bridges over General Electric Road, Honey Transport and Fiskars Corporation.

SR 589 Veteran's Expressway Widening, Florida's Turnpike Enterprise, Hillsborough County, Florida: Engineer responsible for quality assurance/quality control of plans production for a curved 2 span continuous steel bridge over Hillsborough Avenue. The BDR phase included preliminary design of the existing structure to determine if it was able to be widened. The widening was complicated due to the existing structure having different span lengths and designed with a different code. The substructure components of the bridge are founded on 18" PPC piles at the end bents and the piers. Design tasks also included a minor widening of an AASHTO beam bridge, MSE retaining walls and steel sheet pile walls. This project is currently in the design phase.

SR 710/North Lake Boulevard, Florida's Turnpike Enterprise, Palm Beach County, Florida: Mr. Albano served as the Engineer of Record for this project and was responsible for the QA and QC and plans production for this project. This project involved the design of a two span steel bridge over the Turnpike Mainline connecting on and off ramps of the Turnpike with the SR 710 Connector Road. The superstructure consisted of two spans of continuous rolled steel girders having span lengths of 81 and 93 feet. The substructure components of the bridge are comprised of cast-in-place piers supported by drilled shaft foundations.

SR 429 Western Beltway 2A/2B, Florida's Turnpike Enterprise, Osceola County Florida: Mr. Albano served as the Engineer of Record for this project which included three bridge sites. This project involved the design of a 3.8 mile segment of SR 429 which included three new bridges, MSE retaining walls and span and cantilever sign structures. The SR 429 Bridge over SR 530 included a 175 foot long simple span steel plate girder.

I-95 over Wickham Road, FDOT District Five, Brevard County, Florida: Project Engineer responsible for QA and QC for this project which includes a 176 foot single span steel plate girder. The foundation of this bridge involved a cast-in-place bents of prestressed concrete piling with cast-in-place faced soldier pile wall abutments.

A. Max Brewer Bridge Replacement Design Build, FDOT District Five, Brevard County, Florida: Vice President-in-Charge for this project that involves construction of a new 3,207-foot high level bridge over the Indian River and the Intracoastal Waterway to replace an existing swing span bridge. The project also involves construction of MSE wall bridge approaches, seawall construction, a 300-foot long cast-in-place concrete fishing pier and a 200-foot long, four-span double-tee beam pedestrian bridge over the Indian River Relief Channel. The new Max Brewer Bridge is comprised of a total of 22 spans including a three-span spliced continuous modified Florida bulb-tee beam superstructure over the navigation channel. The three span channel unit is comprised of spans having lengths 170'-221'-170' respectively providing 65-feet of vertical clearance over the Intracoastal Waterway. The approach spans are simply supported all having a lengths of 147' each comprised of 78 inch Florida bulb-tee beams. Foundations for the bridge consist of single column hammer head style piers supported by precast concrete piling ranging in size from 24-inch square to 36-inch square. Foundations in the waterway were designed to resisted vessel impact forces in accordance with LRFD requirements.

Jeffrey R. Lance, PSM

Survey



Years of Experience

19 Total
8 With Firm

Professional Registration

Professional Surveyor and
Mapper, No. LS5657, Florida,
1996

Education

Bachelor's of Science in
Surveying and Mapping,
University of Florida, 1990

Professional Affiliation

Florida GPS Users Group
Florida Surveying and
Mapping Society
American Congress on
Surveying and Mapping

Software Aptitude

AutoCAD
CAICE
GPSurvey
Trimble Geomatics Office
Pathfinder Pro
EFBP
Vector
Ski, Ski-Pro

PROFESSIONAL PROFILE

Jeffrey R. Lance, PSM serves as DRMP's Survey Office Manager for the Chipley office. In addition, he is responsible for the management of all FDOT District Three survey services and continues to support the firm, statewide, with geodetic surveying support and training.

Mr. Lance has extensive expertise in providing government agencies and private sector clients with specialized surveying and mapping. His experience includes Geodetic Surveying, specializing in Global Positioning System (GPS) applications and network adjustment, including Precise Leveling, automated Hydrographic surveying, Geographic Information System (GIS) applications, and traditional land surveying. His GPS experience has involved all phases of the system and has ranged from small-scale photogrammetric control projects to county and statewide control densification projects.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90) Yellow River Bridge, FDOT District Three, Okaloosa County, Florida: Survey manager responsible for design survey including a channel survey for bridge replacement, alignment re-establishment, utilities location and VVH.

SR 95 (US 29), FDOT District Three, Escambia County, Florida: Survey manager for the 2.5 mile Multilane Reconstruction project. Survey tasks included a full DTM including off-site drainage and conveyances, sectional survey, utilities designating and VVH, and a control survey.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Provided surveying services for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Specific survey services included: horizontal and vertical control, alignment determination, dtm topography, location of utilities, and cross-sections.

- CR 179A, Holmes County, Florida
- SR 8 at CR 191, Santa Rosa County, Florida
- SR 267 at SR 369, Wakulla County, Florida
- SR 292 at Waycross, Escambia County, Florida
- SR 173 at Bellview, Escambia County, Florida
- SR 8 at SR 89, Santa Rosa County, Florida
- SR 8 at CR 257, Jefferson County, Florida
- SR 30A at Clara Avenue, Bay County, Florida
- SR 30A at Lyndell Lane, Bay County, Florida

SR 83 (US 331), Walton County in cooperation with FDOT District Three, Florida: Survey manager responsible for full design survey and DTM, wetlands, pond sites, and a control survey along the 4.8 mile corridor.

SR 10 (US 90), FDOT District Three, Jackson County, Florida: Survey Manager for the one-mile long corridor in the Town of Sneads, RRR survey consisting of alignment determination, cross-sections, 2D and 3D topography, and utilities location.

SR 298 (Lillian Hwy), FDOT District Three, Escambia County, Florida: Survey manager for the 3-mile corridor for RRR survey. Included alignment determination, cross-sections, 2d topography, and utilities location.

SR 8/SR 8A (I-10/I-110) Monumentation, FDOT District Three, Escambia County, Florida: Survey Manager responsible for the post-construction monumentation effort of both Interstate corridors and selected side streets: SR 727 (Fairfield Blvd), SR 291 (Davis Hwy), Airport Blvd., and SR 742 (Creighton Road).

SR 173 (Blue Angel Parkway), Escambia County, Florida: 3.5 mile design survey prepared for Escambia County utilizing existing FDOT survey data where available. Extended project limits north and south and added cross-section data and sidestreet topography.

SR 292 (Perdido Keys Road), FDOT District Three, Escambia County, Florida: Project Manager for intersection improvement project. Plans update performed after Hurricane Katrina damage.

SR 377, FDOT District Three, Wakulla County, Florida: Project Manager for 3.83 mile roadway project. Re-established the centerline of survey and associated reference points, cross-sections, and 2D topo.

SR 10 (US 90/90A), FDOT District Three, Escambia County, Florida: Project Manager for the 6.58 mile roadway project. 3R project involving alignment determination, 120+ cross-sections, and 2D topo.

SR 79 Steel Field Road to Washington County, FDOT District Three, Washington County, Florida: Project Manager for three individual boundary survey projects prepared to both FDEP and FDOT specifications. Surveys included geodetic survey with GPS, sectional surveys, pre-determined area calculations, and mapping.

SR 727 3R, FDOT District Three, Escambia County, Florida: Project Manager for the 1.3 mile 3R project. Survey included alignment determination for 2 miles of roadway, 3R cross-sections, and a small area of DTM topo for removal of an existing railroad track.

SR 727 at Vanderbilt Road, FDOT District Three, Escambia County, Florida: Project Manager for the 0.5 mile project. Survey performed a full DTM for the project to support the intersection improvement at Vanderbilt Road.

US 331 (SR 83) Passing Lanes, Walton County, Florida: Project Manager for the three-mile project working for PBSJ. Project included alignment determination and full DTM survey of two separate areas of roadway designated for widening.

SR 30, FDOT District Three, Franklin County, Florida: Project Manager responsible for survey performed for Phoenix Construction. Involved the alignment of 18 miles of roadway and the establishment of benchmarks throughout the project area. Field crews provided cross-sections and staked numerous areas of sheet pile and articulating block in an effort to preserve the roadway from past and future weather related erosion.

SR 520 Primary Network Control Project, FDOT District Five, Florida: Project Manager for this project that involved establishing over 13.5 miles of Geodetic Baseline Control to support the FDOT's advanced Right-of-Way and design survey project located in Orange and Brevard Counties. Over 20 new geodetic stations were established with static GPS techniques within the highly dangerous and narrow road corridor with 1st Order horizontal results.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Project Surveyor responsible for over 26 miles of Primary Network Control and the design survey of over 8 miles for the design of new roadway.

Tapestry Park, Mark Tanney, Bay County, Florida: Project Manager and Lead Civil Engineer involved in the planning, surveying, permitting, engineering design, development and construction inspection of this 57± acre Neighborhood with residential and mixed use development for one of the first Neo-Traditional communities in the Florida panhandle. Working with the developer, a master plan was created for Tapestry Park that includes planning the roadways, utilities and stormwater management systems to allow for this project to be constructed in Phases. The design includes multiple lift stations and a 1500 lineal foot extension of the 12" sanitary force main to the Panama City Beach sewer system.

Boggy Creek Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 900-acre gross land area, \$450,000 boundary, topographic, and wetland survey to support *future site development in Callaway*. This project involved a Mean High Water Line determination prepared to FDEP specifications. Involved the sectional retracement of three sections, the staking of the Mean High Water Line at previously determined elevation and newly determined elevation.

Intracoastal Waterway Mapping Project, The St. Joe Company, Gulf, Bay and Walton Counties, Florida: This survey extended from Choctawhatchee Bay in Walton County to Lake Wimico in Gulf County. The project area also included the Gulf County canal from Port St. Joe north to the Intracoastal Waterway. This project was performed to map the locations of St. Joe ownership adjacent to the Waterway throughout the length of the canals. Of importance was the contiguity of Joe ownership and the identification of gores, gaps, overlaps, hiatus' of descriptions, and of non-Joe ownership – mostly Federal lands used for spoil sites. A field survey was performed with GPS to geo-reference selected section corners and to refine the mapping product ESRI shapefile conversions. The products were delivered as an ESRI ArcGIS 9.2 product.

John R. Burkett, PE

Expert Witness



Years of Experience

26 Total
22 With Firm

Professional Registration

Professional Engineer No.
40064, Florida, 1988

Education

Bachelor's of Science in Civil
Engineering, University of
Pittsburgh at Johnstown,
1982

Professional Affiliation

American Society of Civil
Engineers
American Society of
Highway Engineers
Society of American Military
Engineers

Software Aptitude

Microsoft Project

PROFESSIONAL PROFILE

John R. Burkett, PE is a Vice President of DRMP and is currently responsible for managing the Transportation Division. As the Transportation Division Manager, his responsibilities include overall management of all Transportation Departments corporate wide at DRMP. He is also involved in providing project contract and management oversight along with quality control reviews for all transportation related projects.

His experience includes all phases of Transportation Projects from PD&E, Roadway Design to final construction. Mr. Burkett has over 26 years experience in designing and managing multi-lane urban arterial highways through out the Central Florida Area. He is also experienced with managing and designing 3R widening and resurfacing projects for the Florida Department of Transportation. Mr. Burkett has also worked on the design of limited access controlled facilities located in Central Florida.

RELEVANT PROJECT EXPERIENCE

Capital Circle Southeast From Woodville Highway to Tram Road, Blueprint 2000 Intergovernmental Agency, Tallahassee and Leon County, Florida: Design Project Manager on this \$17 million roadway widening project. This project involved widening of 2.2 miles of two lane road to a six lane urban section. This project involved major stormwater design, intersection design, roadway design, utility coordination, right-of-way acquisition and lighting. Mr. Burkett coordinated with internal and client staff and subconsultants, managed schedules, and coordinated submittal for the project under an accelerated schedule. DRMP was responsible for preparing a 60% plus submittal that including full Right-of-Way mapping.

SR 261, SR 173, and SR 289 (East Avenue) Resurfacing/Widening, FDOT District Three, Bay County, Florida: Project Manager and Roadway Documents Engineer of Record for design of these intersection capacity improvement projects and milling and resurfacing projects in Panama City. These projects included roadway widening and resurfacing, signal upgrades, signing and pavement marking, drainage upgrades, utilities and maintenance of traffic.

SR 71 Rural Resurfacing, FDOT District Three, Gulf County, Florida: Project Engineer for design of this four mile widening and resurfacing project. This project included the addition of widening and shoulders, super elevation corrections, cross drain and side drain extensions, signing and marking, maintenance and safety 3R improvements.

SR 4 Two-Lane Rural Resurfacing, FDOT District Three, Santa Rosa County, Florida: Project Manager and Roadway Documents Engineer of Record for design of eight mile resurfacing project. The project included minor drainage, maintenance and safety 3R improvements.

SR 89 Two-Lane Rural Resurfacing, FDOT District Three, Santa Rosa County, Florida: Project Manager and Roadway Documents Engineer of Record for design of four mile resurfacing project. This project included the addition of shoulders, super elevation corrections, cross drain and side drain extensions, maintenance and safety 3R improvements.

Resurfacing Group Projects, FDOT District Three, Various Counties, Florida: Project Manager and Roadway Documents Engineer of Record for the design of 10 miles of four-lane urban resurfacing projects. The project included SR 30 (US 98) from the Hathaway Bridge to SR 390, SR 30 (Business 98) from Cactus Avenue to SR 30A, and SR 30A (Tyndal Parkway) from CR 2377 to SR 30. These resurfacing projects included public involvement meetings, 3R safety improvements, sidewalk and driveway adjustment, ADA sidewalk, ramp improvements and drainage repairs based on no-dig technology.

SR 20 Widening and Resurfacing, FDOT District Three, Bay County, Florida: Project Engineer for design of this four mile widening and resurfacing project. Project included the addition of widening and shoulders, super elevation corrections, cross drain and side drain extensions, signing and marking, maintenance and safety 3R improvements.

Districtwide Miscellaneous Minor Design Services, Contract C-7008, FDOT District Three, Florida: Project Manager and Roadway Documents Engineer of Record and design for minor drainage, roadway, intersection and 3R safety improvements. These projects included signal upgrades, lane additions, milling and resurfacing, upgrading guardrail, utilities and drainage improvements.

Martin Luther King Jr., Boulevard, City of Kissimmee, Osceola County, Florida: Project Manager and Roadway Documents Engineer of Record for design of this 3 lane urban local collector for the City of Kissimmee. The project is Phase 2 of the City's new east-west extension of Martin Luther King Jr., Boulevard from Thacker Avenue to John Young Parkway (approximately ½ mile in length). The project included roadway, drainage, signalization, signing/pavement marking, lighting, environmental/permitting, utilities, and the design of a Conspan Bridge culvert structure for a canal crossing. This project included special drainage design to maintain two existing offsite 54" outflow pipe systems. The project also utilized City owned property to design the retention/detention ponds.

SR 10 Bridge Replacement, FDOT District Two, Madison County, Florida: Project Engineer on the design of the bridge replacement over the CSX Railroad. The project involved re-alignment of SR 10 to construct a two-lane replacement bridge parallel to the existing bridge structure. Traffic control plans were developed based on maintaining this 2-lane rural roadway while constructing this parallel roadway. The project involved coordination with forested lands for Right-of-Way acquisition.

Franklin Street and Division Street Improvements (Including Roundabout), City of Oviedo, Seminole County, Florida: Project Director for the design of an urban bypass in the City of Oviedo. Design included new construction, traffic calming, bike trail design and a five legged roundabout.

Waring Road, Polk County, Florida: Served as Project Manager for the design phase for the roadway, utility, and traffic control plans. Right-of-way acquisition for the project was completed. The project is six tenths of a mile long. Plans are currently being updated.

St. Johns Heritage Parkway, Brevard County Transportation Engineering Department, Florida: Project Engineer for preliminary reengineering report and final construction plans for a new four-lane rural facility that is expandable to six lanes in the future. The project is over eight miles in length and includes surveying, right-of-way acquisition, roadway, stormwater, traffic, an interchange and structural designs.

CR 540A, Polk County, Florida: Project Manager and Roadway Documents Engineer of Record for design of this existing two-lane rural roadway to four-lane urban divided highway. Limits were from Old CR 37 to East of High Glen Road (approximately four miles). Project included preliminary engineering, public involvement, roadway, drainage, signalization, signing/pavement marking, lighting, environmental/permitting, utilities, railroad coordination, Right-of-way mapping and a bridge over a slime pit.

CR 92, Volusia County, Florida: Project Manager and Roadway Documents Engineer of Record for design of the expansion of a two-lane rural roadway to a four-lane divided rural section. The existing two-lane section was originally designed by DRMP in 1988. The project consisted of a major bridge design, drainage and environmental permitting, and intersection design for approximately 1.3 miles. The permitting requirements had changed since 1988 and the existing ponds were converted to wet retention ponds to meet current agency requirements.

SR 472/Howland Boulevard Interchange, Volusia County, Florida: Project Manager and Roadway Documents Engineer of Record for design of this diamond interchange and extension of SR 472. The project was approximately 1.0 mile in length and included the construction of a new westbound bridge and three ramp improvements. Project also included environmental assessment and permitting for scrub jays and gopher tortoises, drainage design and permitting through the St. Johns River Water Management District (SJRWMD).

Saxon Boulevard Multi-laning, Volusia County, Florida: Project Manager and Roadway Documents Engineer of Record for the widening of this two-lane rural roadway to a five-lane divided urban section. The project involved a preliminary engineering phase that included public involvement and an alignment alternative study. The limits of the project extended from Normandy Boulevard to Tivoli Drive and included multiple side street connections and a closed drainage system. The project involved the design of four new retention ponds and four outfall systems and was permitted by the SJRWMD. The design also included design and Right-of-way survey, Right-of-way mapping, legals and sketches, maintenance of traffic and utility coordination.

SR 78 Multi-laning, FDOT District One, Lee County, Florida: Project Manager and Roadway Documents Engineer of Record for the final design of the widening of SR 78 to a four-lane divided/urban arterial highway. The limits of this project extend from US 41 to Piney Street (in North Ft. Myers) and included multiple side street connections, closed drainage system and signalized intersections. This project included the design of the drainage system to handle the drainage for a future six-lane section expansion. This project was permitted through the South Florida Water Management District (SFWMD) and included two new pond sites (one joint use pond with the Wal-Mart Super Store site) and the expansion of one existing pond site. This project also include a JPA with the local utility company for both water and sewer line construction.

SR 52 Multi-laning, FDOT District Seven, Hillsborough County, Florida: Project Engineer on this 3.0 mile roadway design project for a six-lane urban divided section. The project started at the intersection of Hicks Road and ended just east of Moon Lake Road. The total assignment consisted of: roadway, drainage, signal, signing and pavement marking, lighting, JPA utilities, Right-of-way mapping and survey. Project Manager for post design services and construction phase of this project.

EXPERT WITNESS EXPERIENCE

CR 540A, Polk County, Florida: Provided expert witness as the Engineer-of-Record for the roadway design required for project right-of-way takes.

Waring Road Design, City of Lakeland, FL Expert Witness Contract, Provided expert witness as the Engineer-of Record for the roadway design required for project right-of-way takes.

Kenneth R. Kniel, PE

Stormwater Design



Years of Experience

29 Total

23 With Firm

Professional Registration

Professional Engineer

No. 37300, Florida, 1986

Professional Engineer

No. 037168, North Carolina,

2010

Education

Bachelor's of Science in Civil
Engineering, University of
Florida, 1981

Professional Affiliation

American Society of Civil
Engineers

PROFESSIONAL PROFILE

Kenneth R. Kniel, PE is Vice President in charge of the Water Resources Department at DRMP. Specifically, he coordinates and manages the stormwater management design and permitting for DRMP as well as serving various municipal and private clients. Mr. Kniel ensures that the appropriate personnel are assigned to the specific tasks and resources are available to complete the various tasks and projects. In addition he serves as the QA/QC reviewer for a significant portion of these projects.

He has been working within the stormwater field for his entire career and is familiar with many of the stormwater models used throughout the state of Florida. Mr. Kniel has worked on a variety of drainage design projects accumulating a tremendous amount of overall stormwater engineering and permitting experience. He has also developed various stormwater computer models used in design of various aspects related to drainage systems.

RELEVANT PROJECT EXPERIENCE

Miscellaneous Drainage Projects, Orange County, Florida: Served as project director for the preliminary design, final design and permitting of various miscellaneous drainage improvements with Orange County. These improvements ranged from swale/piping modifications to the enclosure of a large canal system into two 72-inch pipes. There were multiple assignments that required review, negotiations and ensuring that adequate staff and resources be available to undertake the work effort.

- **Jones Avenue Drainage Improvements:** Roadway drainage improvements and a large stormwater pond located within the Lake Apopka Drainage Basin and coordinated with the St. Johns River Water Management District. The pond site was a joint use facility between the Orange County and the SJRWMD and was design to meet the Lake Apopka TMDL requirements.
- **Nashville Street Drainage Well:** Development of a stormwater pond adjacent to an existing drainage well in order to improve water quality discharges into the well. This project included design permitting and siting of pond with a high existing developed area.
- **Brown Road Phase I & II:** Drainage improvements to an existing roadway that modified the existing culverts to improve and relieve flooding of the roadway and adjacent properties.
- **Miami Road Drainage Improvements:** Preliminary and final design of drainage improvements along Miami road in east Orange County. Included pipe replacement and culvert design to relieve flooding conditions along the roadway.
- **Park Manor Canal/Lawton Chile Elementary School:** This project included the enclosing an existing large canal (Park Manor Outfall Canal) into a piped system. This included detailed modeling and permitting in order to ensure that the surrounding properties and upstream properties were not adversely impacted.
- **Hiawassee Road, Orange County, Florida:** Served as lead project drainage engineer for the widening and new alignment roadway. Portions of the roadway were widening of the existing two lane rural roadway to a four-lane urban roadway and portions of the roadway were on a new alignment. This included the design for six stormwater facilities to serve the roadway. Some of the stormwater facilities were existing county ponds serving adjacent residential developments and these ponds were incorporated into the overall roadway system thereby greatly reducing the amount of additional right-of-way required for the project. The design of the stormwater ponds was for land-locked criteria due to the existing topography within the project limits. Design was completed in 2003.

Stormwater and Environmental Services Continuing Contract, Volusia County, Florida:

Vice President-In-Charge for this continuing services contract. Projects under this contract include:

- **Airport Road Stormwater Improvements Project:** Provided engineering design, permitting, bidding, and construction inspection services for this stormwater retrofit project. The project involves incorporation of a wet detention stormwater pond into an existing open drainage system which drains through residential neighborhoods to the Tomoka River. The stormwater pond is designed strictly to treat stormwater in a water quality sensitive basin. Adjacent drainage improvements to a roadway culvert crossing are also necessary to allow for design head loss introduced by the addition of the pond to the existing drainage system. Wetland species plantings along a pond berm are necessary as a mitigation requirement for encroachment into an adjacent wetland, as required by the St. Johns River Water Management District (SJRWMD) for permit acquisition.

- **North Peninsula Stormwater Improvements Project:** Provided engineering design, permitting, bidding, and construction inspection services for this stormwater retrofit project. The project actually includes three mini-projects on three residential streets in close proximity; namely River Street, Pinta Street, and Aqua Vista Drive. The residents along these streets have endured chronic street, yard, and some structural flooding, due to lack of adequate drainage systems. These projects involve construction of storm sewer systems connecting depressional areas prone to flooding to existing reliable storm sewer systems, which drain westward to the Halifax River. In order to mitigate the effects of increasing flow rates through the existing storm outfalls, on-line exfiltration systems were integrated into the proposed storm sewers. Weir structures were designed within some of the inlets to hold water back in the exfiltration trench sections to maximize the benefits of stormwater infiltration. Special concrete aprons were designed for the inlets to facilitate periodic cleaning of the grates with streetsweeping equipment. A permit exemption was acquired from the St. Johns River Water Management District (SJRWMD) for this project by demonstrating a benefit to drainage conditions without significantly altering drainage patterns.

Continuing Stormwater Services, Hillsborough County, Florida: DRMP has been providing continuing professional engineering services to Hillsborough County which have included studies, design and permitting for several projects, including:

- **Sunset Lane at Hanna Road Drainage Improvements, Hillsborough County, Florida:** Vice President-In-Charge and QC Reviewer for drainage improvement project designed to resolve flooding complaints. Project included modeling and analysis of existing conditions, recommendation of drainage improvement solutions, and production of construction plans. SWFWMD permitting was required.

Continuing Engineering Services, Pasco County, Florida: DRMP has been providing a broad range of engineering and planning services to Pasco County since 2008 as a continuing General Engineering Consultant. These services include permitting, traffic and parking studies, planning, stormwater, roadway design, site development, environmental science services, survey, and structural engineering projects. The following represents a summary of the projects with which DRMP has been involved as a part of our continuing contract:

- **Birdsong Blvd Drainage Improvements:** Project included a hydraulic modeling study phase in order to determine the required pipes to reduce flooding in the Kings Landing Subdivision near Wesley Chapel, Florida. DRMP used the SWFWMD/County ICPR model for Trout Creek to analyze the crossings. Proposed improvement alternatives were supported with cost estimates and permitting issues. DRMP is currently entering the design phase of the project which will include pipe culvert upgrades under CR 54 and a private airport. Permitting through the SWFWMD and FAA will be required.
- **Wilson Road Drainage Improvements:** Project included a hydraulic modeling study phase in order to determine the required pipes to reduce flooding in the vicinity of Duck Lake near Dade City. DRMP used the SWFWMD/County ICPR model to analyze the crossings. Proposed improvement alternatives were supported with cost estimates and permitting issues. DRMP is currently entering the design phase of the project which will include pipe culvert upgrades under Wilson Road, CSX Rail and CR 35A. Permitting through the SWFWMD, CSX and FDOT will be required.

Lake Eustis - Lakeshore Drive Stormwater Improvement Project, Lake County, Florida: Served as Drainage Engineer for this project with oversight of the major project tasks including final design, surface water permitting, utility data collection and coordination, construction plans production, and construction cost estimating. The project generally involved retrofitting a two-lane collector roadway that traverses along the southeastern shoreline of Lake Eustis to correct localized flooding problems, reduce erosion, improve stormwater collection and conveyance, and provide stormwater treatment were feasible.

Saxon Boulevard Volusia County, Florida: Served as lead drainage engineer for the widening of a two-lane rural facility to a four-lane urban section. This project was located in a highly developed residential area and integrated the proposed roadway stormwater system with the right-of-way taking associated with the roadway requirements. This included maximizing remnant parcels for stormwater facilities as well as incorporating the existing residential facilities within the roadway system. There were three stormwater ponds design and permitted through the SJRWMD.

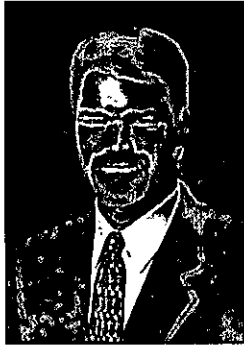
CR 92, Volusia County, Florida: This project was the widening of an existing two lane rural section to a four-lane rural section. Included the modifications of two existing ponds and associated roadway drainage improvement

Miscellaneous Drainage Projects, City of Orlando, Orange County, Florida: Served as project director for the preliminary design, final design and permitting of various miscellaneous drainage improvements within the City of Orlando. Typically these projects consisted of stormwater retrofits that provide additional water quality benefits as well as providing flooding relief and protection. There were multiple assignments that required review, negotiations and ensuring that adequate staff and resources be available to undertake the work effort.

- **Lake of the Woods Drainage Improvements:** This project included final design, development of construction plans, permitting, bid assistance, and construction inspection. The project involved diversion of stormwater from approximately 40 acres of highly urbanized land out of the Lake of the Woods basin to alleviate flooding problems at the lake. This project was the implementation of Phases II and III of a conceptual diversion plan that was previously developed and permitted by DRMP through the SJRWMD. This project included construction of new storm sewer, reversing flows in existing storm sewer, and retrofitting two existing drainage wells with stormwater treatment units.
- **Lake Lorna Doone/Tampa Avenue Drainage Improvements:** This project provided flood relief as well as basin diversion to improve the existing drainage systems within the vicinity of the project. Also some additional roadway improvements were incorporated into the overall project as well as an outfall for Lake Lorna Doone.
- **Lake Angel/Conroy Basin Drainage Improvements Project, Division Avenue System Extension Phase I:** Served as project coordinator primary QA/QC reviewer for the drainage design, which called for an improved drainage system along Division Avenue from 18th Street to about 600-foot south of Kaley Avenue. This new system, which is connected to the existing system, is intended to help relieve some of the flooding that has occurred in the area.

Donald W. Brown, PE

Stormwater Design



Years of Experience

12 Total
12 With Firm

Professional Registration
Professional Engineer
No.59272, Florida, 2003

Education
Bachelor's of Science in Civil
Engineering, University of
Florida, 1997

Professional Affiliation
American Society of Civil
Engineers

Software Aptitude
MicroStation

GEOPAK

ICPR

PONDS

ASAD

Hy 8 - Culvert Analysis

AutoCAD

PROFESSIONAL PROFILE

Donald W. Brown, PE is a Project Engineer in the Water Resources Department and is currently responsible for stormwater runoff analysis and drainage system design for both public and private clients. Prior to the Water Resources Department Mr. Brown served as a Project Engineer in the Roadway Department where he worked in many areas of construction plans preparation for the Florida Department of Transportation (FDOT), Orange and Seminole County Expressway Authorities and Municipalities.

Mr. Brown focuses on drainage design and permitting for expressway projects. His experience includes widening and new construction projects for OOCEA and Florida's Turnpike Enterprise.

RELEVANT PROJECT EXPERIENCE

Osceola Parkway Widening from Buenaventura to Boggy Creek, Osceola County, Florida: Lead Drainage Design Engineer for Roadway widening project in an urban area. Mr. Brown provided stormwater management design and permitting services for two ponds and 2.2 miles of roadway widening from two-lane rural to four-lane urban.

Osceola Parkway Widening from Turnpike to Buenaventura, Osceola County, Florida: Lead Drainage Design Engineer for Roadway widening project in an urban area. Mr. Brown provided storm sewer design and permitting services for 1.1 miles of roadway widening from four-lane rural to six-lane urban.

Rock Springs Road, City of Apopka, Orange County, Florida: Drainage Design Engineer for roadway widening project. Mr. Brown provided drainage design of two ponds and permitting services for 1.5 miles of roadway widening from two-lane rural to four-lane urban from Welch Road to Ponkan Road.

Osceola Parkway Culvert Project, Osceola County, Florida: Lead Drainage Design Engineer for flood relief project. Mr. Brown provided design for additional culverts under Osceola Parkway connecting two stormwater treatment ponds.

CR 707, Martin County, Florida: Lead Drainage Engineer for reconstruction of CR 707 in the Town of Rio. Existing two-lane rural roadway reconstructed as a two-lane divided urban roadway with parallel parking outside of the lanes. Project includes new roundabout and streetscape elements. Mr. Brown provide pond siting analysis, stormwater management design and permitting services.

SR 520 Widening From the St. John's River to SR 524, FDOT District Five, Brevard County, Florida: Drainage Design Engineer for roadway widening project. Mr. Brown provided drainage design of two ponds and permitting services for 2.8 miles of roadway widening from two-lanes to four-lanes.

Heintzelman Boulevard/South Access Road, Greater Orlando Aviation Authority (GOAA), Orange County, Florida: Drainage Design Engineer for new construction and widening project. Mr. Brown provided secondary drainage system design for widening of South Access Road from two-lanes to four-lanes and the interchange section of the Heintzelman Boulevard.

SR A1A at Harbour Drive, FDOT District Four, Indian River County, Florida: Lead Drainage Design Engineer for traffic operation project. Provided spread calculations and special gutter grade design for proposed turn lane. Provided ditch design for increased storage to alleviate existing flooding problem.

SR 822/Sheridan Street, FDOT District Four, Broward County, Florida: Lead Drainage Design Engineer for 4-lane urban divided roadway milling and resurfacing project. Involvement included analysis of existing drainage systems for deficiencies, development of Drainage Concepts Report and Permit Involvement Form.

SR 84 at 136th Avenue, FDOT District Four, Broward County, Florida: Lead Drainage Design Engineer for traffic operation project. Provided hydrology and ditch conveyance calculations for proposed improvements.

SR 869 at SR809, FDOT District Four, Broward County, Florida: Lead Drainage Design Engineer for traffic operation project. Provided hydrology and ditch storage calculations to accommodate addition of turn lanes.

SR 84 at Pine Island Road, FDOT District Four, Broward County, Florida: Lead Drainage Design Engineer for traffic operation project. Provided hydrology and ditch conveyance calculations for turn lane improvements.

US 441 at Riverland Road, FDOT District Four, Broward County, Florida: Lead Drainage Design Engineer for traffic operation project. Provided pavement drainage analysis to accommodate median improvements.

SR 482 Sand Lake Road, FDOT District Five, Orange County, Florida: Drainage Design Engineer for milling and resurfacing project. Mr. Brown provided minor drainage design services to refurbish existing drainage systems with deficiencies.

A. Max Brewer Bridge Replacement Design Build, FDOT District Five, Brevard County, Florida: Lead Drainage Engineer in support of a major bridge replacement consisting of a new 3,207-foot high level bridge over the Indian River and the Intracoastal Waterway to replace an existing swing span bridge. The project also involves construction of a 300-foot long cast-in-place concrete fishing pier and a 200-foot long pedestrian bridge over the Indian River Relief Channel. Specifically involved with the reconstruction/realignment of approximately 1.2 miles of roadway on SR 406 from east of the US1/SR406 intersection to east of end of the existing A. Max Brewer Bridge. Design responsibilities included: storm water system design and plans preparation for 1.2 miles of roadway and bridge replacement.

SR 313 From SR 207 to SR 16, FDOT District Two, St. John's County, Florida: Lead Drainage Design Engineer for advance right-of-way acquisition project. Mr. Brown provided pond siting analysis and design of 7 Ponds for 9.3 miles of new six-lane roadway construction from SR 207 to SR 16.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Lead Drainage Design Engineer for the design of nine mile of new limited access highway to extend the Suncoast Parkway. The nine-mile section included 10 bridges, two diamond interchanges and toll facilities. This work also involved managing a re-evaluation for the entire 27-mile corridor and environmental permitting for the entire project. Mr. Brown provided drainage design and permitting services for 9.4 miles of new four-lane expressway (expandable to eight-lanes from US 98 north to Grover Cleveland Blvd.

Mainline Turnpike Widening, Florida's Turnpike Enterprise, Orange County, Florida: Lead Drainage Design Engineer for widening of five miles of the Mainline Turnpike from Beulah Road to SR 50 in Clermont. The design will widen the road from four to eight lanes, reconstruct three bridges, widen two bridges and includes major modification to the SR 50 interchange, a limited access toll facility. Mr. Brown provided drainage design of 14 ponds and permitting services.

SR 528 (Beachline) Widening, Florida's Turnpike Enterprise, Orange County, Florida: Drainage Design Engineer for widening eight miles of SR 528 from four to six-lanes. Limits are from I-4 to McCoy Road. Mr. Brown provided drainage design of one pond and flood plain compensation. The drainage systems were designed to accommodate future widening to eight-lanes.

SR 429/SR 414 Maitland Boulevard Extension – Contract 429-201, Orlando Orange County Expressway Authority (OOCEA), Orange County, Florida: Lead Drainage Design Engineer for expressway construction project. Mr. Brown provided drainage design of four ponds and two flood plain compensation areas and permitting services for 2.8 miles of new six-lane expressway and interchange construction from CR 437 to SR 500 (US 441). The drainage systems were designed to accommodate future widening to eight-lanes.

SR 408, Contract 253C, Orlando Orange County Expressway Authority, Orange County, Florida: Lead Drainage Design Engineer for expressway widening and mainline toll plaza replacement project. Mr. Brown provided drainage design of three ponds and permitting services for 2 miles of expressway widening from six-lanes to eight-lanes including a new mainline toll plaza with express lane from Conway Road to Oxalis Avenue. Project Manager for Post Design Services contract. Mr. Brown serves as the DRMP point of contact for all construction related issues including distribution of Shop Drawings and Requests for Information.

SR 408 Improvements from Hiwassee Road to Tampa Avenue, Orlando Orange County Expressway Authority, Orange County, Florida: Lead Drainage Design Engineer for expressway widening and mainline toll plaza replacement project. Mr. Brown provided drainage design of three ponds and permitting services for 4.5 miles of expressway widening from six-lanes to eight-lanes including a new mainline toll plaza with express lanes.

SR 710/Turnpike Interchange, Florida's Turnpike Enterprise, Palm Beach County, Florida: Lead Drainage Design Engineer for new interchange construction project. Mr. Brown provided drainage design of two ponds for a new interchange and connector road between the Turnpike and SR 710.

SR 429 Western Beltway – Part C (Section 654), Orlando Orange County Expressway Authority (OOCEA), Orange County, Florida: Drainage Design Engineer for new expressway construction project. Mr. Brown provided cross drain and floodplain compensation design for new four-lane expressway project.

Palace Tee Shirt Shop, DAG Architects, Brevard County, Florida: Drainage Design Engineer for new building construction. Mr. Brown provided drainage design of one pond and permitting services for site development project.

Carlos Martinez, PE

Signalization



Years of Experience

18 Total
18 With Firm

Professional Registration
Professional Engineer No.
51429, Florida, 1997

Professional Engineer No.
35309, North Carolina, 2008

Education
Bachelor of Science, Civil
Engineering, University of
Florida, 1992

Professional Affiliation
American Society of Civil
Engineers

Software Aptitude
MicroStation, V8
GEOPAK, 2004
GuidSIGN
Signal Operations Analysis
Package (SOAP)
PASSER
TRANSYT-7F

PROFESSIONAL PROFILE

Carlos Martinez, PE is a Senior Project Manager in the Traffic Engineering Department. In this role, he is responsible for the preparation of Traffic Engineering Design plans and for developing various types of traffic engineering studies. In addition to his design/production tasks, Mr. Martinez also performs project management tasks and quality assurance/quality control reviews.

Mr. Martinez's experience in traffic engineering design includes: signing and pavement marking, signalization, lighting, and Intelligent Transportation Systems (ITS). The project scope for these types of projects ranges from minor intersection improvements to major roadway construction and limited access facilities. His project experience spans a variety of clients from FDOT Districts One, Two, Three, Five, Seven, Florida's Turnpike Enterprise, Orlando-Orange County Expressway Authority and various counties and cities.

RELEVANT PROJECT EXPERIENCE

SR 434 Design Build, FDOT District Five, Seminole County, Florida: Engineer of record for signalization design with interconnect (three locations) and signing and pavement marking design for roadway reconstruction (4 to 6 lanes) project from Maitland Boulevard to Lotus Landing Boulevard/Trailwood Drive.

SR 78 (Pine Island Road), FDOT District One, Lee County, Florida: Project engineer for signalization design (2 locations) and signing and pavement marking design for a 1.0 mile roadway reconstruction (2 to 6 lanes) project from US 41 to east of Piney Road.

Pinebrook Road, Sarasota County, Florida: Project engineer for signalization design (2 locations) and signing and pavement marking design for a new 1.2 mile, 4-lane roadway from south of Edmondson Road to Laurel Road.

SR 530 (US 192), FDOT District Five, Osceola County, Florida: Engineer of record for signalization design (6 locations) and signing and pavement marking design for roadway reconstruction (4 to 6 lanes) project from east of Captain Kidd Road to east of Reedy Creek.

SR 434, FDOT District Five, Seminole County, Florida: Engineer of record for signalization design with interconnect (5 locations) and signing and pavement marking design for roadway reconstruction (2 to 6 lanes) project from McCulloch Road to Mitchell Hammock Road.

SR 520, FDOT District Five, Brevard County, Florida: Engineer of record for signing and pavement marking design for a 2.8 mile roadway reconstruction (2 to 4 lanes) project from west of the Orange County Line to west of SR 524.

Lakeland In-Town Bypass, City of Lakeland JPA with FDOT District One, Polk County, Florida: Engineer of record for signalization design with interconnect (5 locations) and signing and pavement marking design for a new 1.1 mile, 4-lane urban roadway from George Jenkins Boulevard to SR 35 (North Florida Avenue).

Waring Road, City of Lakeland, Polk County, Florida: Engineer of record for signalization design and signing and pavement marking design for the extension of a 2-lane roadway (0.7 miles) from West Pipkin Road to north of Medulla Road.

Maitland Boulevard Off-Ramp, City of Maitland, Orange County, Florida: Engineer of record for signalization design and signing and pavement marking design for improvements at the Maitland Boulevard interchange with US 17/92. The signalization design was for the intersection of US 17-92 and Mayo Avenue/new off-ramp.

SR 500, FDOT District Five, Lake County, Florida: Engineer of record for signalization design with interconnect (5 locations) and signing and pavement marking design for roadway widening (4 to 6 lanes) project from M.L. King Boulevard to Lake Ella Road.

Osceola Parkway, Phase I, Osceola County, Florida: Engineer of record for signalization design (3 locations) with interconnect and signing and pavement marking design for a 1.2 mile roadway reconstruction (4 to 6 lanes) project from just east of the Turnpike to Buenaventura Boulevard.

Osceola Parkway, Phase II, Osceola County, Florida: Engineer of record for signalization design (2 locations) with interconnect and signing and pavement marking design for a 2.2 mile roadway reconstruction (2 to 4 lanes) project from just east of Buenaventura Boulevard to east of Boggy Creek Road.

City of Fort Myers Downtown Streetscape and Utilities Project, Lee County, Florida: Senior Traffic Engineer responsible for preparation of traffic signalization plans which provided context sensitive solutions to meet the Downtown Fort Myers Streetscape theme yet complied with all current MUTCD and FDOT requirements. Designs included the reconstruction of three signalized intersections under FDOT jurisdiction and several intersections under the City of Fort Myers jurisdiction. All proposed signalization equipment, structures, operations, and aesthetics matched to meet the overall downtown streetscape aesthetics theme. Signalization interconnect designs were also accommodated in order to maintain the synchronization of the intersection operations and maintain progression of the motorists through the Downtown Roadway Network.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida’s Turnpike Enterprise, Various Counties, Florida: Engineer of record for the ITS design of supplemental fiber optic network (FON), which consists of 1-1/4” conduits, single-mode fiber optic cable connection to the backbone fiber optic system for each DMS location, multiple DMS locations, Gigabit Ethernet (Gig E) and wireless Ethernet radio communication systems. DMS application type and quantities included 10 mainline DMS, 15 mainline toll plaza DMS, and 11 arterial DMS.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida’s Turnpike Enterprise, Polk County, Florida: Engineer of record for the ITS design of a new fiber optic network (FON), which consists of 1 1/4” conduit, fiber optic splice vaults, single-mode fiber optic cable, ITS device power, and new layer 2 Gigabit Ethernet (Gig E) communication system. The communication system will provide electronic data transmission of 25 closed-circuit television (CCTV) cameras, 100 vehicle detection stations (VDS), four mainline dynamic message signs (DMS), and 2 highway advisory radios (HAR) for a 24.4 mile limited access roadway.

SR 528 (Beachline Expressway)/SR 436 Interchange Improvements Design Build, Contract 528-300, Orlando-Orange County Expressway Authority, Orange County, Florida: Engineer of Record for the ITS design for a new fiber optic network (FON) system and relocation of existing data collection sensors (DCS). The new FON system includes a new OOCEA 8-1” high density polyethylene (HDPE) conduit backbone system with a connection to the relocated DCS and new 2-1” HDPE conduit feeder system for connection to an existing FDOT District Five automated vehicle identification (AVI) reader.

CR 532/Interstate 4 Interchange Project Development and Environment (PD&E) Study, Osceola County, Florida: Project engineer who assisted with the capacity analysis of interchange ramps as part of Interchange Modification Report (IMR).

SR 520 at Tucker Lane, FDOT District Five, Brevard County, Florida: Engineer of record for qualitative assessment of intersection operations. Recommendations for improvement were developed based on field observations, traffic counts, and crash data.

SR 50 at Sherman Street, FDOT District Five, Orange County, Florida: Engineer of record for qualitative assessment of intersection operations. Recommendations for improvement were developed based on field observations, traffic counts, and crash data. A Concept Report was developed for the design/construction of the recommendations which included a cost estimate.

SR 40 at SE 169th Terrace Road, FDOT District Five, Marion County, Florida: Engineer of record for qualitative assessment of intersection operations. Recommendations for improvement were developed based on field observations, traffic counts, and crash data.

Mainline Turnpike Widening, Florida’s Turnpike Enterprise, Orange County, Florida: Engineer of Record for signing and pavement marking design and signalization design (two locations) for a 4.7 mile roadway widening/reconstruction (four to eight-lanes) project from north of Beulah Road to north of SR 50.

SR 589 (Veteran’s Expressway), Florida’s Turnpike Enterprise, Hillsborough County, Florida: Engineer of Record for signalization design at Hillsborough Avenue interchange (2 locations) and signing and pavement marking design for a 1.77 mile limited access roadway widening/reconstruction (4 to 8 lanes) project from Memorial Highway to Johns Road.

SR 417 (GreeneWay), Contract 417-107, Orlando-Orange County Expressway Authority, Orange County, Florida: Engineer of Record for signing and pavement marking design and Intelligent Transportation System (ITS) design for a 3.8 mile roadway widening/reconstruction (4 to 6 lanes) project from SR 528 (Beachline) to Curry Ford Road.

SR 589 (Suncoast Parkway 2), Florida’s Turnpike Enterprise, Hernando and Citrus Counties, Florida: Engineer of Record for signalization design at US 98 interchange (2 locations) and signing and pavement marking design for a new 8.9 mile, 4-lane, limited access roadway from south of US 98 to north of Cardinal Street.

SR 589 (Suncoast Parkway - Section 5), Florida’s Turnpike Enterprise, Hernando County, Florida: Engineer of Record for signalization design at Spring Hill Road and SR 50 (4 locations) and signing and pavement marking design for a new 7.5 mile, 4-lane, limited access roadway from north of County Line Road to north of SR 50.

SR 417 (GreeneWay), Seminole County Expressway - Project 2, Section 2, Florida’s Turnpike Enterprise, Seminole County, Florida: Engineer of record for signalization design at CR 46A (2 locations) and signing and pavement marking design for a new 3.0 mile, 4-lane, limited access roadway.

Joseph W. Perri

Signing & Pavement Markings; Signalization



Years of Experience

19 Total
12 With Firm

Education

AAS, State University of New York, College of Technology at Farmingdale, 1990

Professional Affiliation

Institute of Transportation Engineers
National Institute for Certification in Engineering Technologies

Software Aptitude

Signal Operations Analysis Package (SOAP)
PASSER
Highway Capacity Software (HCS)
SYNCHRO
Trip Generation Software
AutoCAD
MicroStation, Version 8
GEOPAK, 2004
Moving Vehicle Run Analysis Package (MVRAP)
Traffic Analyzer (TA-88)
CORSIM
GuideSign

PROFESSIONAL PROFILE

Joseph W. Perri is a Vice President and serves as the Department Manager for DRMP's Traffic Engineering Department. He has been involved with the preparation of various traffic engineering design plans including signalization/signing and pavement marking plans and minor roadway design. Mr. Perri also has managed various Districtwide Contracts for the Florida Department of Transportation. In that capacity his duties involve assigning resources to various projects and managing project schedules. His experience in traffic engineering design has included technical engineering analysis, design of minor intersection reconstruction, signalization plans, and Intelligent Transportation Systems (ITS).

Mr. Perri has had experience with traffic engineering studies. The studies included the tasks of analyzing traffic operations for both intersections and corridors. His project experience in traffic engineering has included work for municipalities, New York State Department of Transportation, New York State Thruway Authority, Florida Department of Transportation District's One, Two, Three, Four and Five and Florida's Turnpike Enterprise. These types of projects included traffic signal and interconnect installations, minor roadway improvements, and Intelligent Transportation Systems. Through these projects, he has gained a thorough knowledge of work zone safety regulations, procedures for permitting, utility coordination, specification development, public information process, and overall plans preparation.

RELEVANT PROJECT EXPERIENCE

SR 89, FDOT District Three, Santa Rosa County, Florida: Responsible for signing and pavement marking design and no-passing zone study for a four-mile roadway milling and resurfacing project from SR 4 to the Alabama State Line.

SR 4, FDOT District Three, Santa Rosa County, Florida: Signal modification (one location), signing and pavement marking design and no-passing zone study on SR 4 from 1/2 mile west of J. Lowery Road to CR 87A.

SR 173 (Blue Angels Parkway) at CR 296, FDOT District Three, Escambia County, Florida: Loop replacement detail and signing and pavement marking plans for intersection improvements.

SR 298 (Lillian Highway) at SR 727 (Fairfield Drive), FDOT District Three, Escambia County, Florida: Signal modification and signing and pavement marking design for intersection improvements.

SR 10A (US 90), FDOT District Three, Escambia County, Florida: Upgrade five intersections to mast arms and signing and pavement marking plans for milling and resurfacing and minor widening for approximately three miles from Godwin Ave to Edison Road.

SR 10A (US 90), FDOT District Three, Escambia County, Florida: Prepared signing and pavement marking plans for milling and resurfacing plans for approximately 1 mile from Lynch Street to V Street. Also upgraded one intersection to mast arms.

Franklin Street/Division Street, City of Oviedo, Seminole County, Florida: Prepared signing and pavement marking plans for a new roadway (Franklin St) and the widening of Division Street. The plans included the installation of a roundabout and the use of various traffic calming measures such as choker islands.

Rock Springs Road, City of Apopka, Orange County, Florida: Signalization design and signing and pavement marking design for roadway reconstruction project (widening from two-lane to four-lanes).

SR 417, Contract 417-107, Orlando-Orange County Expressway Authority, Orange County, Florida: Oversaw the ITS design and implementation for the widening of SR 417 to eight lanes from SR 528 to Curry Ford Road. This contract also included the widening of bridges over Lee Vista Boulevard, signing and markings, traffic control, and lighting.

Mainline Turnpike Widening, Florida's Turnpike Enterprise, Orange County, Florida: Engineer of Record for the roadway mainline widening (6 to 8 lanes) and ramp reconstruction project. Project consisted of designing the replacement of the existing Gigabit Ethernet Fiber Optic Communications network and supporting devices (CCTV, VDS, TTS, DMS & AVI Readers), which included both a temporary and permanent network configuration. Project also included the replacement of the existing county fiber network cable and drops for signalization interconnect within the project limits. Technical Specifications were developed for all equipment as required as well as wiring diagrams for each local hub. The DRMP Team provided traffic engineering design and plan production for the ITS, lighting and signing and

pavement markings of SR 91 and exit/entrance ramps from Beulah to SR 50.

Districtwide Traffic Operations Push Button Contracts, FDOT District Four, Florida: Project Manager for this contract with projects consisting of providing miscellaneous traffic operations design services throughout District Four. The projects include: resurfacing, turn-lane additions, median modifications, signal modifications, pedestrian feature upgrades, safety upgrades and all related components required. Projects are developed in response to traffic safety issues, public concerns and local agency requests.

Indian River County Closed Loop Signal Control System, Indian River County, Florida: Performed construction engineering inspection services including plans review during design phases, developing testing for various components, and reviewing testing documentation for fiber optic cable.

Osceola Parkway Widening, Osceola County, Florida: Traffic Design Project Manager overseeing the development of traffic design reports with the development of future traffic projections. These projections were used to set intersection geometries and number of lanes for roadway links in order to obtain acceptable levels of service. Detailed construction plans were prepared for signalized intersections along the corridor with proposed phasing and timings. Fiber Optic communications design and specifications were prepared for use in the development of the Osceola County ATMS system.

Seminole County Street Systems Phase I: This project included the design for the installation of 26 Dynamic Message Signs and CCTV sites providing continuous coverage of various routes throughout the county. Prior to finalizing the design for the CCTV installations, the County Commission voted to amend the contract to remove the installation of the CCTV sites. The design of the DMS signs included the installation of new Fiber Optic Communications cable both aerial and underground, controller cabinets, and fiber modems. All field devices were supplied with power service from a circuit breaker connection which was designed to support a full load condition of all devices connected to. Surge suppressors were installed on both the circuit breakers supplying the power service and the main circuit breaker housed inside the cabinet. The signs were designed to be mounted on standard Mast Arm Assemblies in order to keep the construction costs to a minimum.

SR 414 Phase I Expressway Management Systems, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Manager overseeing the design for a new gigabit Ethernet fiber optic communications network consisting of CCTV's, Travel Time Systems, DMS and toll plaza communications. Electrical distribution systems include UPS systems, step up/down transformers, and various ground and surge suppression designs. Specialized wiring diagrams were developed for each local HUB. Specifications were developed for all equipment.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida's Turnpike Enterprise, Polk County, Florida: Project Manager overseeing the design of a 25 mile Intelligent Transportation System along the Polk Parkway utilizing gigabit Ethernet communications with field installations of CCTV sites, Vehicle Detection Systems, Travel Time Systems, and Highway Advisory Radio (HAR) systems. Data transmission for all field devices was aggregated at a Master Hub site for transmission via a Long Haul Edge Switch back to the Turnpike Enterprise Traffic Management Center on the Mainline Turnpike in Orange County. Work for this project included permitting for the crossing of Railroad Right of Way, County Right of Way, and Navigable Waterways. Work included designing electrical services for all field devices and developing an intricate grounding system for protection from lightning strikes. Detailed specifications were developed for all communications and field devices.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida's Turnpike Enterprise, Various Counties, Florida: Project Manager overseeing the design for the installations of Dynamic Message Signs along the Mainline Turnpike and various major arterial roadways having interchanges with the Mainline Turnpike. Work included the coordination with various agencies such as FDOT Districts and Counties for development of fiber sharing agreements for use in communicating with some of the arterial signs. Wireless communications were also used as another source of communications. Structural designs were prepared for all sign structures both cantilever, mid span truss, full span truss and box trusses. Major emphasis was placed on utility coordination to avoid all utility conflicts. Detailed specifications were developed for all components. Coordination with various other construction projects was performed to ensure the sign structures would not conflict with the proposed construction. Service Plaza Information Systems were also designed as part of this project to disseminate travel information along the Turnpike system to the traveling motorists. This work included the installation of Ethernet switches, terminal servers, video monitors and CCTV's inside each of the service plazas.

SR 408 (East-West Expressway), Orlando Orange County Expressway Authority, Project 252B, Orange County, Florida: New SONET Fiber Optic Communications Design for the transmission of data and video images and video control as well as toll collections. Connections to CCTV sites, Data Collection Sites, Dynamic Message Signs and Toll Plaza's. Various modems were analyzed for the SONET hardware installed in the toll plazas used to aggregate data and regenerate signal for transmission to OOCEA Headquarters and Regional Traffic Management Center.

SR 408 (East-West Expressway), Orlando Orange County Expressway Authority, Project 253C, Orange County, Florida: New SONET Fiber Optic Communications Design for the transmission of data and video images and video control as well as toll collections. Connections to CCTV sites, Data Collection Sites, Dynamic Message Signs and Toll Plaza's. SONET hardware installed in the toll plaza's used to aggregate data and regenerate signal for transmission to OOCEA Headquarters and Regional Traffic Management Center. Temporary Communications system designed to provide end to end connectivity to FDOT District 5 MIST system, City of Orlando Regional Communications Signal System and University of Central Florida Communications.

George P. McLatchey, CEP, PWS

Environmental/Permitting



Years of Experience

17 Total
14 With Firm

Certification

Certified Environmental Professional No. 10050430, Academy of Board Certified Environmental Professionals, 2010

Professional Wetland Scientist, No. 1259, Florida, 2000

Certified Professional in Erosion and Sediment Control, No. 2151, Florida 2000

Education

Master's of Science in Soil and Water Science/ Environmental Engineering Sciences, University of Florida, 1995

Bachelor's of Science in Microbiology, University of Florida, 1991

Professional Affiliation

Society of Professional Wetland Scientists

USACOE Certified Wetland Delineator

Florida Association of Environmental Professionals

Publication/Presentation

Regulation of Organic Matter Decomposition and Nutrient Release in a Wetland Soil, *Journal of Environmental Quality*, September 1998

Introduction to State and Federal Wetland Permitting Policies and Procedures, American Public Works Association, 2007

PROFESSIONAL PROFILE

George P. McLatchey, CEP, PWS serves as Department Manager for DRMP's Ecological and Environmental Sciences Department and has been a principal field investigator, staff supervisor, and project manager on several hundred projects. Mr. McLatchey has extensive experience in all aspects of federal and state permitting, National Environmental Policy Act (NEPA) compliance, including Wetland Evaluation Reports (WER), Endangered Species Biological Assessments (ESBA), and Essential Fish Habitat Assessments (EFHA). He is a certified Professional Wetland Scientist (PWS) and Certified Environmental Professional (CEP) and has a Bachelor's and Master's degree from the University of Florida with an emphasis in the discipline of wetland and ecological studies.

Mr. McLatchey's areas of specialization include federal, state, and local environmental permitting, mitigation design, wetland jurisdictional delineations and evaluations, listed species studies/relocation, ecological monitoring, lake water quality studies, and alternative corridors/alignment analysis. Mr. McLatchey has worked extensively on various public and private projects and has been involved with the environmental aspects of the planning, design and permitting of these projects. This project experience has given Mr. McLatchey strong qualifications in the PD&E and EIS process, corridor and alternative analysis, wetland and wildlife evaluations, mitigation design, public involvement, and permitting.

RELEVANT PROJECT EXPERIENCE

Districtwide NPDES Consulting Services; Florida Department of Transportation, FDOT District Three, Florida: Assist the District with the administration of the NPDES permitting process. Prepare and submit the District's two Phase I Annual Reports for Leon and Escambia counties and the Districts one Phase II Annual Report. Develop recommendations to improve the data collection and overall permitting process.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Environmental Manager. Performed environmental field work (wetland delineations, vegetation mapping, protected species surveys) and permitting services for a 2.3-mile roadway widening project. Prepared reports, environmental documentation, and coordinated with state and federal agencies (NFWFMD, FDEP, USACOE).

SR 8 (I-10) Environmental Permitting, FDOT District Three, Okaloosa County, Florida: Environmental Project Manager (subconsultant to AVCON) for wetland, listed species, SWPPP and permitting for roadway improvements.

SR 75 (US 231), FDOT District Three, Jackson County, Florida: Environmental Project Manager for wetland, wildlife habitat and listed species studies, and associated permitting. Performed environmental analysis for permitting and conducted agency coordination.

SR 30 (US 98), FDOT District Three, Gulf County, Florida: Environmental Project Manager. Environmental Manager for wetland, wildlife habitat and listed species evaluation, and associated permitting for proposed roadway improvements. Tasks included wetland jurisdictional determinations and evaluations, listed species studies, agency coordination, drainage consultation, and state and federal permitting.

St Johns Heritage Parkway Extension, Brevard County, Florida: Environmental Manager. Performed environmental field work (wetland delineations, vegetation mapping, protected species surveys, mitigation plan) and permitting services for five miles of new roadway alignment and bridge construction over I-95. Prepared reports, environmental documentation, and coordinated with state and federal agencies (NFWFMD, FDEP, USACOE). Project is in progress.

Rhode Island Avenue Extension, Volusia County, Florida: Environmental Project Director. Managed field staff on wetland assessment and delineation, listed species surveys. Conducted listed species surveys for the extension of Rhode Island Avenue from Veteran's Memorial Parkway to Normandy Boulevard. Species-specific surveys for gopher tortoise, red-cockaded woodpecker, and Florida scrub jay were conducted. Section 7 Consultation with the USFWS to develop an appropriate mitigation plan for scrub jays impacts.

Rock Springs Road, Orange County, Florida: Environmental Project Manager for wetland, wildlife habitat and listed species studies, and associated permitting of Rock Springs Road from Ponkan Road to Kelly Park Road. Conducted species specific survey and permitting for gopher tortoises.

CR 540A Widening and Extension, Polk County, Florida: Environmental Manager. Managed environmental staff during the preparation of a SWFWMD and ACOE Environmental Resource Permit of 3 miles of roadway widening and new bridge design. Developed approved wetland mitigation plan. Conducted bald eagle survey and developed an Eagle Monitoring Plan and obtained approval for a gopher tortoise relocation plan from wildlife agencies.

Interstate 4 and CR 532 Interchange, Osceola County, Florida: Environmental Project Manager for wetland, wildlife habitat and listed species studies, and associated permitting.

Bill Beck Boulevard, Osceola County, Florida: Environmental Project Manager for wetland impact, wildlife surveys, mitigation design, and permitting associated for new roadway alignment and bridge from Osceola Parkway in Osceola County. Gopher tortoise surveys, permitting and relocation services provided.

SR 78 from Slater to I-75, Lee County, Florida: Environmental Project Manager. Conducted listed species surveys, coordination with regulatory agencies, prepared Environmental Assessment Report, and obtained Gopher Tortoise Incidental Take permit from FFWCC.

SR 739 from US 41 to Six Mile Cypress, Lee County, Florida: Environmental Project Manager. Conducted listed species surveys, coordination with regulatory agencies, prepared Environmental Assessment Report, and obtained Gopher Tortoise Incidental Take permit from FFWCC.

Swoope Avenue Widening and Extension, City of Maitland, Orange County, Florida: Environmental Project Manager. Managed staff and performed wetland delineation, threatened and endangered species survey, set seasonal high water elevation, and developed an approved wetland mitigation plan with the Lake Jessup basin for the widening and extension of Swoope Avenue from Horatio Avenue to US 17-92.

Waring Road, City of Lakeland, Polk County, Florida: Environmental Project Manager. Managed staff and performed wetland delineation, permitting, and mitigation design for the widening and extension of Waring Road.

Jones Avenue Wetland Restoration Project, Orange County, Florida: Environmental Project Manager for wetland restoration project. This project involved the design of a wetland restoration area and establishment of a master drainage plan for a 2.5-square mile watershed connected to Jones Avenue north of Lake Apopka in Zellwood, Florida. The project included development of a 37-acre wetland system that would provide storm water quality improvements and improved wildlife habitat. The project is a joint effort between the St. Johns River Water Management District and Orange County. An Individual Environmental Resource Permit was obtained from the St. Johns River Water Management District and a Notice General Environmental Resource Permit was obtained from the Florida Department of Environmental Protection.

Lake Underhill and Lake Barton Interconnect, City of Orlando, Orange County, Florida: Environmental Project Manager for water quality sampling and analysis related to stormwater runoff (Orange County) for the City of Orlando.

Lake McGarity and Lake Theresa Basin Interconnect and Water Quality Sampling, Volusia County, Florida: Environmental Project Manager of water quality sampling and drainage analysis. conducted water quality sampling for numerous lakes in Volusia County and prepared environmental support documents.

Big Wekiva River Basin Study, Seminole County, Florida: Environmental Project Manager for wetland analysis. This study involved the assessment of all wetlands and water bodies within the 6 square mile Big Wekiva Basin in Seminole County. The study recommended water quality and quantity improvements throughout the basin.

B-23 Canal Feasibility Study, Volusia County, Florida: Environmental Project Manager for water quality assessment, land use, and statistical analysis. this study involved evaluation of pollutant loading and recommendation for retrofit treatment for runoff to the lakes within Volusia County.

Longino Ranch Gopher Tortoise Mitigation Bank, Sarasota County, Florida: Environmental Project Director. Development of a 750 acres gopher tortoise recipient site. Tasks conducted included: agency coordination, marketing, habitat evaluation, gopher tortoise population survey, and permitting, and land management planning consisting of prescribed burning, roller chopping, and timber harvesting operations.

General Continuing Services, City of Lake Mary, Seminole County, Florida: Environmental Project Manager for review of Environmental Impact Assessment for development of a planned residential community in Lake Mary. Consultation regarding gopher tortoise, listed species, wetland impact and permitting issues.

Districtwide Environmental Consultant, FDOT District One, Florida: Environmental Project Manager for a five year contract to provided environmental services for FDOT District I, as requested.

A. Max Brewer Bridge Replacement and SR 406 Roadway Improvements Design/Build, FDOT District Five, Brevard County, Florida: Environmental Manager. Initiated agency coordination with the USCG staff to insure proposed project design modifications meet existing permit conditions. Coordinated with environmental and engineering staff on the preparation of permit compliance documentation detailing bridge design modifications. The project involved the construction of a new 3,207-foot high level bridge over the Indian River to replace an existing swing span bridge.

Douglas A. Skurski, PWS

Environmental/Permitting



Years of Experience

10 Total

8 With Firm

Professional

Registration/Certification

Professional Wetland

Scientist (PWS) No. 1719

Florida Fish and Wildlife

Commission Authorized

Gopher Tortoise Agent; GTA-

09-0237A

Education

Master's of Science in

Biology, University of Central

Florida, 2005

Bachelor's of Science in

Zoology; Washington State

University, 1998

Professional Training

Wetland Plant Identification,

Institute for Wetland and

Environmental Education

and Research, Inc., 2006

Uniform Mitigation

Assessment Method, Field

Workshop, Central Florida

Association of Environmental

Professionals, 2004

UMAM Technical Training,

Southwest Florida Water

Management District; 2003

Hydric Soils Workshop,

Florida Association of

Environmental Soil

Scientists, 2001

Professional Affiliation

Society of Wetland Scientists

National Association of

Environmental Professionals

Florida Association of

Environmental Professionals

Central Florida Association

of Environmental

Professionals

Software Aptitude

ESRI ArcGIS 9.3

ESRI ArcPad 7.0.1

Autodesk Civil 3D

Corpscon

Garmin MapSource

XLSTAT 2008

SPSS 10.0

Trimble Terra Sync

Trimble GPS Correct 2.0

PROFESSIONAL PROFILE

Douglas A. Skurski, PWS is an Environmental Project Manager in DRMP's Ecological and Environmental Sciences Department. His responsibilities include wetland assessments, federal, state, and local permitting, protected species studies, GIS mapping and analyses, land use/cover classification and habitat evaluation, environmental impact mitigation, and staff coordination and management to accomplish environmental tasks. He has worked on numerous projects involving environmental management for both public and private clients.

Through continuing education and professional experience, Mr. Skurski has specialized in animal behavior and wildlife ecology. He is proficient in survey methodologies for many of Florida's listed species, and has developed extensive relationships with personnel from both state and federal wildlife agencies. His knowledge and expertise has proven invaluable to the wildlife permitting efforts of projects throughout the state.

RELEVANT PROJECT EXPERIENCE

Districtwide Environmental Consultant, FDOT District One, Florida: Environmental Scientist/Environmental Project Manager. Five year contract to provide environmental services for the Florida Department of Transportation District One as requested, from December 2003. Projects have included: SR 78 widening – provided gopher tortoise survey and Florida Fish and Wildlife Conservation Commission (FFWCC) permitting, and FFWCC coordination for bald eagles; SR 739 extension – provided species-specific surveys and FFWCC permitting for impacts to gopher tortoise and beautiful paw paw; US 27 widening – produced a Wetland Evaluation Report; SR 72 widening – produced an Endangered Species Biological Assessment. GPS coordinates of observed natural resources imported into GIS and incorporated into design and permitting documents; US 41 wildlife crossings – delineated wetlands, conducted general wildlife surveys, and prepared Wetlands and Listed Species Tech Memos; Eagle Guidelines Tech Memo – prepared a guidance document for FDOT, summarizing the new Bald Eagle regulations and explaining how the changed regulations may effect FDOT roadway projects.

I-10/US 29 Interchange and I-10 Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Environmental Scientist responsible for conducting wetland and listed species assessments through field and GIS analyses for this PD&E Study Re-evaluation which involves proposed improvements to the existing SR 8 (I-10)/SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to a point just west of the recently improved I-10/I-110 interchange in Escambia County.

SR 540A Widening, Polk County, Florida: Environmental Project Manager responsible for managing staff and preparing SWFWMD and ACOE Environmental Resource Permit and coordinated with USFWS and FFWCC regarding bald eagles and gopher tortoise impact permits for the widening and extension of SR 540A. Conducted bald eagle survey and developed an Eagle Monitoring Plan. Contracted to provide bald eagle monitoring during construction. Conducted gopher tortoise relocation to adjacent nature conservancy property.

Rolling Hills Drive Extension, St. Johns County, Florida: Environmental Scientist for roadway extension. Conducted wetland assessments, delineations, and permits, listed species surveys, mitigation planning, and coordination between state and federal regulatory agencies.

Rhode Island Avenue Extension, Volusia County, Florida: Environmental Project Manager responsible for managing staff and conducting fieldwork to accomplish wetland delineation, SJRWMD and ACOE permitting, and Listed Species surveys for the extension of Rhode Island Avenue from Veteran's Memorial Parkway to Normandy Boulevard. Species-specific surveys for gopher tortoise, red-cockaded woodpecker, and Florida scrub jay were conducted. Coordination and permitting with FFWCC and USFWS to address the presence of gopher tortoises and Florida scrub jays.

Rock Springs Road Widening, Orange County, Florida: Environmental Scientist. Addressed SJRWMD permitting for the widening of Rock Springs Road from Ponkan Road to Kelly Park Road. Conducted species specific survey and permitting for gopher tortoises.

All American Boulevard Extension, Orange County, Florida: Environmental Scientist. Coordinated with SJRWMD for wetland issues and provided environmental analysis for Roadway Corridor Analysis. The project proposed the extension of All American Boulevard from Forest City Road to Ocoee-Clarcona Road at Edgewater Drive.

Econlockhatchee Trail, Orange County, Florida: Environmental Scientist. Performed environmental analysis for Corridor Analysis Report and coordinated with SJRWMD regarding the Riparian Habitat Protection Zone for the widening of the Econlockhatchee Trail from SR 50 to Lake Underhill Road.

Swoope Avenue Widening and Extension, City of Maitland, Orange County, Florida: Environmental Scientist responsible for performing wetland delineation and threatened and endangered species survey, set seasonal high water elevation, and coordinated with SJRWMD, USFWS and FFWCC, for the widening and extension of Swoope Avenue from Horatio Avenue to US 17-92.

Martin Luther King Jr. Boulevard, City of Kissimmee, Osceola County, Florida: Environmental Scientist. Coordinated with SFWMD, prepared an Environmental Resource Permit and performed Threatened and Endangered Species survey for the construction of a 0.55 segment of three-lane road within the vacated Seaboard Coastline Railroad Right-of-Way.

Waring Road, City of Lakeland, Polk County, Florida: Environmental Scientist. Performed wetland delineation, SWFWMD and ACOE permitting, and mitigation for the widening and extension of Waring Road. Conducted specific-species surveys for gopher tortoise. Obtained an off-site relocation permit from FFWCC and supervised excavation of four tortoise burrows within project footprint, resulting in the relocation of four tortoises to a long-term protected recipient site.

Apalachicola – Corbin/Tucker Tract, FDEP, Calhoun County, Florida: Environmental Scientist. Project coordination and exhibit production for aerially interpreted land use delineations during the ecological baseline assessment of a property parcel under consideration for purchase and designation as a conservation easement.

Dunnellon Recreational Trail, FDEP, Citrus County, Florida: Environmental Project Manager. Delineated wetlands, consulted with FDEP for Wetlands, Threatened and Endangered species issues, performed environmental permitting with SWFWMD and ACOE, and wildlife coordination with FFWCC and USFWS for the construction of a recreational trail within the FDEP Cross Florida Greenway property.

Cross Seminole Trail, Seminole County, Florida: Environmental Scientist. Performed wetland delineation, coordination with USFWS and FFWCC, Threatened and Endangered Species survey, gopher tortoise survey and permitting. Also performed SJRWMD/ACOE permitting for the construction of a 2.8 mile recreational trail within the vacated CSX railroad Right-of-Way. GPS coordinates of gopher tortoises and a bald eagle nest were imported into GIS and incorporated into design and permitting documents.

Americans with Disabilities Transition Plan, Collier County, Florida: Performed GIS application development, data post-processing and analysis, and staff training on Trimble GPS equipment operating on an ESRI ArcPad GIS platform, for field data collection. This project identified the location of all sidewalk segments, intersections, public driveways, and bus stop/shelter(s) in unincorporated Collier County, which did not comply with current ADA requirements. The collected data was submitted in a GIS geodatabase, and was utilized to develop cost estimates and a Transition Plan to bring the sidewalk network into ADA compliance.

Center Fixed Bridge and South Fixed Bridge Replacements, Gasparilla Island Bridge Authority, Charlotte County, Florida: Environmental Scientist for all environmental field and permit document production tasks for the fixed bridge replacement projects over Boca Grande Causeway. Tasks included wetland delineations, wildlife and listed E/T/SSC species survey, seagrass survey and mapping, mitigation plan, state/federal agency coordination and permitting through SWFWMD, FDEP, USACOE, NMFS, USFWS and USCG.

SR 570 (Polk Parkway) Design Build, Florida's Turnpike Enterprise, Polk County, Florida: Environmental Project Manager for the widening of Polk Parkway from 1-4 to Braddock Road. Expanded capacity from a two-lane two-way facility to a four-lane divided section, including a new interchange at Pace Road to serve the new campus of the University of South Florida. Obtained SWFWMD permit modification to include Pace Road interchange stormwater management system. Conducted specific-species surveys for gopher tortoise and burrowing owl. Obtained an on-site relocation permit for 10 or fewer gopher tortoises from FFWCC and supervised excavation of 10 tortoise burrows within the right of way, resulting in the relocation of three tortoises.

A. Max Brewer Bridge Replacement Design Build, FDOT District Five, Brevard County, Florida: Environmental Project Manager. Conducted reviews of existing site conditions and environmental permits. Coordinated project design modifications with project engineers to assure impacts did not exceed permit thresholds, maintaining existing environmental permits. Coordinated submittals of design modifications and necessary permit compliance documentation to state and federal regulatory agencies such as SJRWMD, FDEP, ACOE, and USCG. This project involves construction of a new 3,207-foot high level bridge over the Indian River and the Intracoastal Waterway to replace an existing swing span bridge. The project also involves construction of MSE wall bridge approaches, seawall construction, a 300-foot long cast-in-place concrete fishing pier and a 200-foot long, four-span double-tee beam pedestrian bridge over the Indian River Relief Channel.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise, Citrus County, Florida: Environmental Scientist for all three design sections of this 26-mile new, limited access toll road. Performed project management duties in development of Environmental Assessment Reports and permitting. Provided wetland delineations, wildlife and E/T/SSC surveys, wildlife undercrossing location and development, scrub jay (none) and gopher tortoise (2000 burrows) surveys, PD&E Re-evaluation, documentation, public hearing, and all regulatory coordination involving permitting and mitigation.

Mainline Turnpike Widening, Florida's Turnpike Enterprise, Orange County, Florida: Environmental Project Manager. Directed field staff in wetland assessments, delineations, seasonal high water level indication, and listed species surveys, produced wetland and listed species permitting, and provided Turnpike support in agency coordination efforts for this five-mile roadway widening from four-lane to eight-lanes from Beulah Road to SR 50 in west Orange County.

DANTIN CONSULTING, LLC



Debbie M. Dantin is a registered professional engineer (in Florida and Georgia), and has over twenty-four (24) years of transportation planning and engineering experience in Florida and Georgia. Her hands-on experience is diverse in traffic operations, signalization/ITS, transportation policy development, transportation concurrency, traffic impact studies, multi-modal transportation master plans, corridor and mobility studies, developments of regional impacts (DRI), planned unit developments (PUD), design standards, expert witness testimony, roadway corridor studies, preliminary design and environmental (PD&E) studies, access management/permitting, traffic calming, regional bicycle and pedestrian plans, and parking and circulation studies. Projects range in size from \$2,500 - \$250,000, with management of projects of up to \$8.5M including planning, design and implementation of Tallahassee's Advanced Transportation Management System to operate and maintain all signals within Leon County.

Ms. Dantin is President of Dantin Consulting formed in March 2009, a DBE firm certified with FDOT, State of Florida and various local governments in Florida. She has both public and private sector experience; Senior Vice President/owner of Genesis Group from 2001-2009 where she began statewide transportation engineering and planning services; and ten (10) years with the City of Tallahassee serving as City Traffic Engineer of Tallahassee from 1995-2001.

Sample Projects (Last 5 Years):

Traffic Studies

- Old St. Augustine/Southwood Plantation Signal Warrant, Leon County, FL
- Meridian Road/Ox Bottom Road Signal Warrant, Leon County, FL
- Meridian Road/Bannerman Road Signal Warrant, Leon County, FL
- Roberts/Centerville Roads Signal Warrant, Leon County, FL
- Roberts/Centerville Roads Roundabout vs./ Signal Analysis, Leon County, FL
- Capital Circle SW/Moore Circle South Signal Warrant, Leon County, FL
- Pisgah Church/Bradfordville Road Signal Warrant, Leon County, FL
- Reynolds Drive/Bannerman Road Turn Lane Analysis, Leon County, FL
- Mahan Drive Corridor Management Study, Leon County, FL
- Beech Ridge Road Extension, Leon County, FL
- Franklin Blvd./Meridian Road/Lafayette Street Roundabout vs./ Signal Operational Analysis, City of Tallahassee, FL
- Leon County Schools Transportation & CNG Facility Concurrency, Turn Lane and Signal Warrant Study, Leon County, FL
- FAMU Way Extension CSX Rail Crossing Analysis & Permit, City of Tallahassee, FL
- Traffic Calming Projects (over 40 roadways in the City), Tallahassee, FL
- FSU Signs and Pavement Marking Study, City of Tallahassee, FL
- Capital Cascades Roadway Closure Analysis, City of Tallahassee, FL
- Settlement Office Park Concurrency Analysis, City of Tallahassee, FL
- Tennyson Condominium Concurrency Analysis, City of Tallahassee, FL

Intersection Design

- Rosemary Beach Mast Arm Signals, Walton County, FL
- Kelly Plantation Mast Arm Signals, Destin, FL
- Blair Stone Road/Apalachee Parkway Mast Arm Upgrades, Leon County, FL
- Blair Stone Road/Publix Shopping Center Mast Arm Upgrade, Leon County, FL
- Blair Stone Road/St. Augustine Road Mast Arm, Leon County, FL
- US 98/4th Street Mast Arm Signal and Intersection Realignment, Panama City, FL
- Pensacola (SR 20)/Lipona Avenue Mast Arm Signal, Tallahassee, FL
- Rankin Avenue/Roberts Road Roundabout Design, Tallahassee, FL
- Capital Cascades Entryway Roundabout vs./Signal at Lafayette Street/Franklin Blvd./Meridian, Tallahassee, FL

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

Geotechnical Engineering

Professional Credentials

Bachelor of Science, Civil Engineering, Tri-State University, 1974
Master of Science, Civil Engineering, Oklahoma State University, 1975
Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past Vice-President of North Florida Section, Past President of Tallahassee Chapter, Engineer of the Year of Tallahassee Branch
Florida Engineering Society, Past Vice-President of North Florida Region, Past President of Big Bend Chapter, Elected Fellow, Past Engineer of the Year of Big Bend Chapter
American Society of Transportation Engineers
American Public Works Association
National Society of Professional Engineers
Transportation Research Board (National Academy of Sciences), Past National Committee Chairman
Florida A&M University / Florida State University, Chairman of Civil Engineering Advisory Committee
Leon County Board of County Commissioners, Served on Science Advisory Committee

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques
- Familiar with Bridge Scour Investigation and Studies
- Familiar with Non-Destructive Testing for Unknown Foundations Subjected to Scour

Years Experience with EGS: 20

Years Experience with Other Firms: 18

Relevant Experience

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District III – Provides miscellaneous services to the Florida Department of Transportation under a Continuing Geotechnical Services Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

SR 79, FDOT District III, Washington County, FL (FDOT FPN: 220773-7-52-01) – This project consisted of the reconstruction and multilane widening of SR 79 from a 2 lane rural roadway to a 4 lane divided highway. The geotechnical studies included roadway investigation, pavement design, evaluation of areas of significant cut and fill, culvert extensions for stormwater management facilities, areas of unsuitable subsoils, and construction considerations.

369 (Crawfordville Highway) Roadway Reconstruction from the Wakulla County Line to L.L. Wallace Road, FDOT District III, Leon County, FL (FDOT FPN 219881-1-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. The Geotechnical investigation also included slope stability analysis of high embankment areas.

SR 30 (US 98) Bridge Replacement over the Aucilla River, FDOT District II, Taylor County, FL (FDOT FPN 210873-2-52-01) – This project consisted of conducting the geotechnical studies for the design of a new bridge over the Aucilla River and reconstruction of approach roadways. The investigation included the analysis of subsoils for roadway reconstruction, culverts, MSE retaining walls, and stormwater management facilities. The Bridge investigation included coring the existing rock to evaluate constructability of the drilled shaft foundations. In addition, an additional study was undertaken to identify and recommend design and construction measures to mitigate the voids encountered in the underlying rock. Because of the environmental sensitivity of the area, coordination with FDOT District III was necessary.

SR 369 (Crawfordville Highway) Roadway Reconstruction from East Ivan Road to the Leon County Line, FDOT District III, Leon County, FL (FDOT FPN 220495-2-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. In addition, the project included the replacement of a bridge culvert and construction of high fill embankments over soft highly organic soils.

SR 20 (US 27) Roadway Improvements from SR 319 (Capital Circle Northeast to the Jefferson County Line, FDOT District III, Leon County, FL (FDOT FPN 409025-1-52-01) – This project consisted of resurfacing and lane additions and drainage improvements to the existing roadway. The investigation included the analysis of subsoils for lane additions, culverts, and storm sewers. The roadway improvements also included the investigation of areas of distressed pavement and developing remedial corrective measures.

POOLE ENGINEERING & SURVEYING, Inc.

2145 Delta Boulevard, Suite 100
Tallahassee, FL 32303

Barbara Jo Bergstrom, P.S.M.
Vice President/Corporate Surveyor

Professional Credentials

Florida Professional Surveyor and Mapper – Registration Number 5754
Advanced AutoCAD Training
Land Development Civil Survey Program
CAICE/EFB Processing

Professional Organizations

Vice President, Florida Surveying and Mapping Society (2008-2009)
Member, National Association of Women in Construction
Past Chapter Committee Chairperson, TRIG STAR Program by The Florida Surveying and Mapping Society
Past President, Northwest Chapter of The Florida Surveying and Mapping Society (2001-2002)
Past Secretary/Treasurer, Northwest Chapter of the Florida Surveying and Mapping Society (2000-2001)

Special Qualifications

- Performing surveying services in the State of Florida for over 25 years
- Specializes in numerous types of surveys to include boundary, topographic, subdivision, construction staking, utility surveys, as-built surveys, traffic signal and design surveys, right of way acquisitions, and specific purpose surveys
- Project Surveyor for many City of Tallahassee design surveys and FDOT resurfacing and traffic design projects
- Supervision of key technicians and staff for providing quality control and assurance of mapping efforts
- Strong history and knowledge of working in Leon County and surrounding areas.

Years experience with Poole Engineering & Surveying, Inc: 11

Years experience with other firms: 18

Relevant Experience

ORANGE AVENUE/WAHNISH WAY IMPROVEMENTS – Project Surveyor on team effort with Crowder Excavation for resurfacing and construction staking of new drainage improvements, stormwater pond and layout of curb and gutter, sidewalks and as-built surveys for City of Tallahassee. (Feb. 2008 to present)

FAMU-DRS SCHOOL – Project Surveyor for Construct Two Group responsible for layout of six new buildings, perimeter fence and verification of newly constructed site improvements. Project involved verification of AutoCAD maps of existing topographic conditions, site grading and site plans produced by others and as-built surveys. (May 2007 to present)

SR 71 – FDOT District Three/Gulf County – Project Surveyor responsible for recovery of horizontal and vertical control, existing right of way and centerline control to re-establish an alignment of approximately 1.2 miles of roadway in connection with a 3R Resurfacing project. (July 2006 to Sept. 2007)

SR 289 – FDOT District Three/Escambia County, FL – Serving as Project Surveyor for establishing an alignment along SR 289 (Ninth Avenue) and Carpenter Creek, this also included collecting data for providing a DTM, check cross-sections and setting references for design of a turn lane. This was part of a joint effort amongst firms which also required right of way acquisition. (July 2006 – December 2006)

SR 77, FDOT District Three/Washington County, FL – Currently serving as Project Surveyor providing recovery of horizontal and vertical control, alignment, extension of baseline referenced and DTM check cross-sections for approximately 3.4 miles of roadway from CR 276 to North of Blue Lake Road. This project was a joint effort with Southeastern Surveying and Mapping Corp. for road widening and preparation of right of way maps. (June 2006 to present)

SR 298, FDOT District Three/ Escambia County, FL – Served as Survey Manager in the design survey for a safety analysis and re-design of the curve located on SR 298 from west of San Sebastian Circle to East of Lapaz Street, approximately 1/2 mile. The design survey required EFB collection for horizontal and vertical location of the existing road surface, re-establishment of the alignment, recovery of project network control and centerline references, processing and checking field notes. (May 2006 – October 2006)

SR 319/SR 263, FDOT District Three/Blueprint 2000, Leon County, FL – Served as Survey Manager in coordinating survey crews for a project widening of SR 263/319 from Tram Road to Woodville Highway, approximately 2.2 miles. The widening required EFB collection for horizontal and vertical location of the existing road surface, processing and checking field notes. Coordination with City of Tallahassee utilities for locates. Project Network for Horizontal and vertical control along the corridor. (June 2005 – May 2006)

SR 10, FDOT District Three, Jackson County, FL - Served as Project Manager for a Design/Build Bridge Replacement. The project required horizontal and vertical location of the existing road surface, bridge cross-sections and detail, wetland location and preparation of T.I.F.F.T easements. A centerline of survey and vertical control was established along the corridor for reconstruction or roadway and bridge replacement. Responsible for Caice processing and DTM modeling of existing topography for engineering design. (Nov. 2004 – Sept. 2005)

SR 85, FDOT District Three, Okaloosa County, FL – Served as Project Manager for a project milling and resurfacing of SR 85 from SR 10 (US 90) to North of CR 188, approximately 2.4 miles. The resurfacing required horizontal and vertical location of the existing road surface, with site specific detail of existing curbs, sidewalks, lane lines. A centerline of survey and vertical control was established along the corridor for reconstruction of roadway and construction new sidewalk ramps. Processed CAICE files and creation of the DTM surface. (April 1999)

CITY OF TALLAHASSEE – Continuing Services Contract – Serving as Project Surveyor for the Stormwater Management Division. Design Surveys to map existing conditions for many flood related projects. Producing survey maps for the Project Engineer to create construction plans and design studies and storm analysis. Projects include Frenchtown Drainage Study, Call & Cadiz Street Drainage Improvements, Meridian Road Drainage Improvements, North Ride Drainage Inventory, Drainage Inventory of Pensacola Street at FSU Stadium, Royal Oaks Ditch Lining Project, O'Brien Drive Drainage Improvements, Salmon Drive Drainage Inventory and Improvements.

THE PRESERVE AT SAN LUIS, Leon County, FL – Project Surveyor for this 36+/- acre subdivision. Boundary and topographic work to include location of trees and natural features. This site currently platted after construction and acceptance of public roadways for a 190 lot subdivision and construction of townhomes. Responsible for supervision of field crews for layout of new buildings on critical setback restrictions. Producing a subdivision plat for recording, staking of lots, centerline of roadways, rights of way and providing asbuilt surveys.

AIRPORT COMMERCE CENTER PUD, Leon County, Florida – Project Surveyor for 76.5 Acre commercial development for St. Joe Development Company. Boundary survey involved section traverse, location of trees, utilities, topography and location of environmentally sensitive areas to preserve within the PUD. This project is viewed as a stepping stone toward future developments in Tallahassee Airport's region for industrial sites.

Similar Project Experience

Through efficient management and leadership, DRMP has garnered the trust of its clients by delivering a quality product while meeting time and budgetary constraints. DRMP is proud of our successful track record in providing consulting services to our clients. We encourage you to call any of our satisfied clients we have listed because we believe you will find a level of confidence in DRMP that is unsurpassed in the industry. The following represents a summary of the projects with which DRMP has been involved with:

6th Avenue Roadway & Drainage Improvements City of Cairo, Georgia

DRMP was responsible for the planning, design, permitting, grant support, bid services and construction services for this project that provided improved connectivity, transportation, drainage and flood mitigation to a disadvantaged neighborhood in the City of Cairo, Georgia. The project included evaluation of six alternatives, conducting of one workshop and one public hearing. The recommended alternative was designed to GADOT standards and received an Army Corps of Engineers Dredge and Fill permit, a GA Erosion and Sedimentation Control Permit and a Stream Bank Buffer variance. DRMP also prepared a Preliminary Design report to support and obtain Federal Funding under ARRA and provided full bid services and construction administration services to complete the project.

Project Owner/User Agency Representative

Chris Addleton
City of Cairo
P.O. Box 29
Cairo, Georgia 39828
P: 229-377-1722 ext 3000

Completion Date: 2009

Key Personnel Participation

Bryant A. King, PE – Project Manager
Eric W. Gooch, PE – Project Engineer
Travis N. Shannon, EI – Staff Engineer

Districtwide Miscellaneous Minor Safety Design FDOT District Three

As Engineering Consultant to the Florida Department of Transportation District Three, DRMP has been providing a broad range of services related to the design of miscellaneous minor safety projects. These include intersection improvements, lighting, signing, pavement marking, signalization, bicycle and pedestrian improvements, widening and resurfacing, and culvert analysis/replacement. DRMP provides roadway design, signalization, signing and marking, surveying, stormwater management and design, utility design, and general civil design services under this contract.

District Wide 5% Report - High Crash Spot Project Development:

Project included analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.

Project Owner/User Agency Representative

Tommy Johns, PE, GEC Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: Ongoing

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE – Traffic Analysis Engineer
Julian Poole, EI - Traffic Analysis Engineer

SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida: Project included design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.

Project Owner/User Agency Representative

Tim Smith, PE, Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2010

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI – Project Engineer

SR 267 at SR 369, FDOT District Three, Wakulla County, Florida: Project included the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.

Project Owner/User Agency Representative

Tim Smith, PE, Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2009

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI – Project Engineer

SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida: Project included the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as drainage improvements.

Project Owner/User Agency Representative

Tim Smith, PE, Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2010

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI - Project Engineer

SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida: Project included the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.

Project Owner/User Agency Representative

Tim Smith, PE, Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2009

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI - Project Engineer

SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida: Project included the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.

Project Owner/User Agency Representative

Sandra Lamb, PE, GEC Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2010

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI - Project Engineer

SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida: This project included the addition of an eastbound right turn lane. This project also includes drainage improvements.

Project Owner/User Agency Representative

Sandra Lamb, PE, GEC Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2010

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI - Project Engineer

CR 179A, FDOT District Three, Holmes County, Florida: This project included the addition of 4-foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Project Owner/User Agency Representative

Sandra Lamb, PE, GEC Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2010

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Bryant King, PE - Senior Drainage Engineer
Travis Shannon, EI - Drainage Engineer
Julian Poole, EI - Project Engineer

SR 10 Milling and Resurfacing, Leon County, FDOT District Three

This project included the milling and resurfacing of SR 10 (US 90) at SR 8 (I-10) from Apex Drive to the golf club entrance drive south of the interstate in Leon County. Also included were minor drainage improvements as there were ponding issues within the project limits, pedestrian and bicycle improvements, refitting the bridge joints on the northbound and southbound bridges, associated guardrail improvements and utility coordination.

Project Owner/User Agency Representative

Eric Rosnick, PE, Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, FL 32428
P: 852.368.2288

Completion Date: 2008

Key Personnel Participation

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Bryant King, PE - Senior Drainage Engineer
Julian Poole, EI - Project Engineer

PROCESS AND PROCEDURES FOR ENSURING CURRENT DESIGN STANDARDS

There are three main processes and procedures related to ensuring that current design standards, codes and regulatory direction are utilized in the project design.

First, our firm is committed to ensuring that junior and senior staff receives adequate training. This includes formal certifications, seminars and webinars, internal training and classes. Anyone attending outside training shares information learned with staff. Current knowledge of codes and regulations is a requirement for Senior Staff that participate in the Projects Quality Control Plan.

Second, knowledge of regulations and codes is not sufficient to achieving final regulatory direction. Relationships with regulatory staff and good communication are vital to getting the intent correct and achieving sound design that meets requirements and is permissible. Our intent is to maintain good relationships with regulatory staff in any agency that has jurisdiction over County work. This may include local Growth Management Departments (City and County), FDOT, FDEP, NFWMD, Department of Health, USACOE, EPA, Wildlife Agencies and/or FEMA. Our role is to establish a good framework of the project to present to these agencies prior to final design and to clearly document the applicable rules, code or direction that is discussed with Agency personnel in pre-application coordination. This documentation becomes part of the project commitments and supplements the applicable published regulations and code. This information is required to be reviewed as part of the Quality Control Plan prior to a formal QC process.

Finally, and most importantly, a solid quality control plan is most effective in ensuring that standards and regulatory direction are adhered. Good quality control is the best line of defense to ensure that commitments and regulatory direction are met.

DRMP is extremely proud of our reputation for high quality design work for our many clients. DRMP's philosophy is error prevention by starting the job with quality people and completing the job with proper supervision. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. On each assignment, we do the following to insure that DRMP delivers a high quality design service:

- Develop a comprehensive Project Quality Control Plan specifically tailored to each task.
- Identify a QC Review Team and define their responsibilities.
- Incorporate current QC checklists amended to incorporate any special project requirements.
- Complete a full QC Review of EVERY document that leaves our office, including those prepared by subconsultants.
- Complete Phase Submittal Reports to document the design decisions as they evolve.
- Hold formal audits of QC effort with each submittal (DRMP will provide certification of the effort for County staff). QC materials are available for review at this audit.
- Complete thorough QC efforts associated with Utility Coordination, and Technical Special Provisions, Specifications Package Submittals – all in accordance with internal and client guidelines.
- Complete Project Field Review by QC Review Team staff and provide documentation.

QC of Design Phases: Design phase Quality Control involves a thorough, comprehensive review of all work completed at each phase of design completion (30%, 60%, 90%, Final). This includes checking all materials for:

- Conformance with applicable Design Standards
- Conformance with Client's Needs and Objectives
- Cost-Effective Designs
- Documents can be readily approved by Permitting Agencies
- Documents are suitable for obtaining Fair Bids
- Minimizes potential for Construction Problems

The DRMP QC Manager enlists the help of DRMP's most knowledgeable technical staff for QC review. In addition, DRMP has compiled several QC checklists which have proven invaluable in this work. These lists are an aid to the QC reviewer in organizing and completing a thorough QC review.

Upon completion of each design phase, a complete QC review plan set with all accompanying design documentation is forwarded to the QC Manager. Each sheet of the QC plan set bears the DRMP QC Stamp and is signed at the "A. ORIGINATION" line by the employee responsible for preparing the plan. DRMP's proven QC procedure requires that the QC Manager receive a complete set of all design documents, including all component sets and subconsultant prepared design elements, prior to beginning the review. This process insures that a comprehensive QC review is completed quickly and efficiently.

Once the QC Review is completed, the DRMP QC Manager prepares the QC documentation and delivers the plan set to the Project Manager with copies to DRMP Senior Staff. All sheets are completely "Yellowed Out" or "Redlined" with corrections / comments, and signed & dated in the "B. CHECKED" line by the QC Reviewer. The QC team similarly marks up the Comment Response memo.

During the "CONCURRENCE", "INCORPORATION", and "VERIFICATION" activities, the DRMP QC Manager and QC Reviewer are available to the Project Manager to discuss comments. The final QC plan set is retained by the DRMP Project Manager and routed to project archives.

Quality Assurance Review: To assure that a complete QC review is accomplished and that all aspects of the QC Policy have been adhered to in its completion, the Project Manager and the QC Manager conduct a "Quality Assurance Review" at the end of each phase review. This QA review confirms that all elements of the design, including those elements prepared by our subconsultants, have undergone a comprehensive and unified QC Review. We verify all Transmittal packages meet scope and County requirements. Particular attention is given to construction cost and duration estimates and specification packages.

Documentation: An important element of the overall QC process is proper documentation. The DRMP QC process requires we document the materials reviewed for each phase of design and retain all check prints, design memoranda, reports, and calculations. The retention period for this material is at least seven years after the time when a project is placed into service, and this period is typically exceeded by the use of off-site archival facilities.

QC Debriefings: Assuring quality is an ongoing process, requiring periodic updates as design and construction methods evolve. Therefore, DRMP QC Manager periodically conducts an internal "QC Debriefing" between members of the QC review staff and the DRMP design staff. The purpose of the debriefing is to review the effectiveness of the QC/QA process, discuss shortcomings and possible improvements and to determine if changes can be made to the process that will insure the QC Review process runs more effectively in the future. The DRMP QC Manager is responsible for documenting and implementing any process improvements.

SPECIAL RESOURCES AND EQUIPMENT

The DRMP team uses and owns a large range of software and equipment including, but not limited to:

Scheduling Software

Microsoft Project
Primavera
SureTrak

Visualization/Graphics

Adobe Illustrator, PhotoShop, InDesign
Corel Draw Suite
Macromedia Dreamweaver
QuarkXpress

Geographic Information System

ArcCAD
ArcView 3.3
ArcGIS Desktop 9.3.1
ArcInfo License
ArcGIS 3D Analyst
ArcGIS Spatial Analyst
ArcGIS Data Interoperability
Arc Editor 9.2
Arc Pad 7.1

Raster Imaging/Digital Mapping

DESCARTES - Raster imaging
SUREMAPS Raster - Digital maps
IRAS/C - Raster imaging

Design

MicroStation J & V8, FDOT 2004 MR5
GeoPak and CivilPak
Bentley XM Versions of WaterCAD, WaterGems,
SewerCAD, StormCAD
Pond Pack 3.2
AutoCAD/Land Desktop, Civil 3D 2009
CAiCE 10.1 SP7
XPSWMM

TRANSPORTATION/TRAFFIC

TRANPLAN - Traffic Network Analysis
SYNCHRO 6 & 7
SimTraffic
GUIDSIGN
TURNS
FSUTMS
SignView
HCS
LOS Plan
TEAPAC
SOAP

aaSidra
Cala
AGI32
Aladan
CUBE Voyager
TRANSYT 7F
Isopoint
PASSER II AND III
CORSIM

Survey

CAICE
TDS Survey Link - Electronic data collection/transfer
EFBP - Electronic Field Book Processor Suite
Trimble Pathfinder Pro XR DGPS Submeter GPS System

Trimble Pathfinder Office
Trimble Media Mapper
Trimble 5700 Geodetic Survey Receivers
Trimble Geomatics Office Suite
Microsearch Geolab 2001 - Least squares adjustment software
Leica 9500 Geodetic Survey Receivers
SKI / SKI-Pro - Leica GPS Postprocessing and RTK software
STARNET / STARLEV- Least squares adjustment horizontal/vertical
Prismless/Reflectorless Total Stations
Auto Levels
Digital Levels
Magnetic Locators
Data Collectors

- Windows CE
- TDS Rangers
- Husky FS/2, FS/3
- Allegra

Cable Locators
Jon Boat
4x4 Vehicles



Willingness to Meet Schedule and Budget Requirements

SCHEDULING PROJECTS

Proper scheduling and timely completion of tasks and subtasks are of critical importance. As the prime consultant, we will be solely responsible for the project schedule and the quality of the work product. To this end, it is vital that subconsultants be kept informed so that they also comply with our scheduling and quality commitments. With this in mind, we will schedule work tasks to get required data to our subconsultants as soon as possible, and we will provide all team members with schedule updates at regular intervals.

Bryant A. King, PE the DRMP Team Project Manager, will serve as the primary point of contact with the Department concerning contract administration and task assignments. Mr. King will receive all written or verbal work orders issued by the County's Project Manager.

The Work Authorizations will be reviewed immediately upon receipt. Mr. King will schedule the necessary meetings to scope the project and execute the notice to proceed. Once a notice to proceed is obtained, Mr. King will update a progress chart and add it to a list of task work orders that may already be underway under this contract. Below is an example of a progress chart that DRMP has utilized on our current Miscellaneous and Minor Design Contracts. Under these contracts, DRMP had as many as 14 design task work orders underway at one time. The chart indicates the status of each Work Authorization with specific milestone dates, approvals of specific information, status of comment/responses and information related to data that may be needed to complete the plans. This type of chart is easily followed and provides the County's Project Manager with all relevant data pertaining to the projects. Mr. King will update this chart bi-weekly and provide it to the County Project Manager. In addition to this project status chart, DRMP creates project specific

FTP sites for every project to utilize in disseminating information to the client and any subconsultants.

Cost control and the development of the most economical solution are paramount to any definition of success. DRMP both actively and passively imparts cost control methods into the prosecution of all of our assignments. This results in a project that both meets client budgetary expectation, and provide the most value for the dollars invested.

CONTROLLING PROJECT BUDGETS

As a means of cost control, DRMP will start this project with a written Planning Budget, worked out with the FDEP. Throughout the course of the project, the budget will be refined at schedule points, including schematic design (30% plans), design development (60% plans) and construction documents (90% plans). Whenever a discrepancy is identified, a written plan of action will be developed to resolve or accommodate the difference. In addition, a formal VALUE ENGINEERING REVIEW will be conducted at the design development (60% plans) stage on all design efforts.

DRMP brings economical solutions to all of our projects in the normal course of our business by maintaining the mindset that we have a fiduciary responsibility to our clients as well as an engineering responsibility. Much of our work is conducted for small municipalities that have limited budgets and therefore, must get the most "bang" for each dollar spent. Through continually working within these limited budgets, regular training of staff (both internal and external) in Best Management Practices, and extensive involvement in Professional Societies, DRMP keeps abreast of the best/most economical methods of service to our clients.

Contract C-5K43 Districtwide Traffic Ops Design Consultant Contract FIN 229936-3-32-01 Consultant: DRMP											
Project Name	WO Executed	Survey Received	Utility Survey Received	Pavement Cores Received	Geotechnical Info Received	Typical Section Package Submitted	Pavement Design Package Submitted	Initial Submittal	Comments Responded To	Final Plans Submitted (PDF)	Comments
SR 809 at Dyer Blvd	Yes (7/21/06)	Yes (9/29/06)	Yes (12/06/06)	Yes	Yes	Yes	Yes	5/22/2007	Yes (7/6/07)	Yes (7/13/07)	Final Signed and Sealed Plans Delivered (7/26/07)
SR 868 at Military Trail	Yes (12/20/06)	Yes (3/19/07)	Yes (6/21/07)	Use Cores From Adjacent Project	N/A	Yes	Yes	5/14/2007	Yes (7/10/07)	No	Final Signed and Sealed Plans Delivered (7/26/07)
SR 7 at Riverland Rd	Yes (10/31/06)	Yes (3/5/07)	Yes (1/24/07)	Yes	N/A	Yes	N/A	4/9/2007	Yes (6/8/07)	Yes (6/14/2007)	Final Signed and Sealed Plans Delivered (7/9/07)
SR 5 at Prima Vista Dr	Yes (4/2/07)	N/A	N/A	N/A	N/A	N/A	N/A	4/23/2007	Yes (6/14/07)	Yes (6/11/2007)	Final Signed and Sealed Plans Delivered (6/15/07)
SR 84 at Weston Rd	Yes (4/2/07)	Yes (4/30/07)	Yes (7/10/07)	N/A	N/A	N/A	N/A	7/24/2005	No	No	Awaiting FDOT Review Comments
SR 802 at Carne Drive	Yes (6/25/07)	Yes (6/15/07)	Yes (7/26/07)	Using Pavement Design Info From Ex Plans	NA	Yes	Yes	7/25/2007	No	No	Awaiting FDOT Review Comments
SR 76 at Tahoe Terrace	Yes (4/5/07)	Yes (6/15/07)	Yes (6/15/07)	Yes (6/20/07)	NA	No	No	8/1/2007	No	No	Working Towards Initial Submittal

Recent, Current, and Projected Workload

The following chart represents our current and projected workloads.

Project Name and Number	Description	Date Complete
FDEP Van Fleet State Trail	Design of supporting infrastructure	9/2011
FDEP Marjorie Harris Carr Cross Florida Greenway-Dunnellon Trail	Design of a 2.5 mile Trail and 2 Trailheads, Bid and Construction Services	3/2012
City of Cairo, GA -Davis Park Master Plan and Reconstruction	Park rehabilitation master plan, reconstruction of park amenities, design of flood control system	12/2011
Pensacola NAS – Corry Bachelor Enlisted Quarters	Site design and stormwater permitting for building and parking facilities	6/2012
Ft. Benning GA – Maneuver Battle Lab	Site design and permitting for building and site infrastructure	6/2012
FDOT District 3 DW Safety Contract	Traffic Safety Studies, Roadway Safety Improvements, Drainage Evaluations, 5 Active Task Authorizations	6/2012
FDOT District 3 DW NPDES Contract	Support District 3 for Phase I and Phase II NPDES MS4 Permitting, 4 Active Task Authorizations.	6/2015
FDOT District 3 Yellow River Bridge Replacement	Drainage Design and Bridge Hydraulics Design for replacement of 1550 LF Bridge in Okaloosa Co.	12/2011
SCDOT Bishopville Bypass	Drainage Design and Bridge Hydraulics Design for 3 mile New Road	12/2012
Escambia County Nine Mile Road PDE	Pond Siting Report and Drainage Analysis for 2.2 mile corridor in Escambia County	6/2011
Bradford County CR 229A Bridge Replacement	Drainage Design and Bridge Hydraulics	9/2011
Panama City Beach - Tropic Winds Infrastructure Improvements	Sanitary Sewer Design and Permitting	6/2011
FDOT Central Office – EMC Water Quality Monitoring	Water Quality Sampling Project to Determine EMC on Rural Typical Roadways	12/2012
NFWFMD Professional Engineering Services	Professional Engineering and ERP Permit Review Support Services – No current active tasks	8/2013

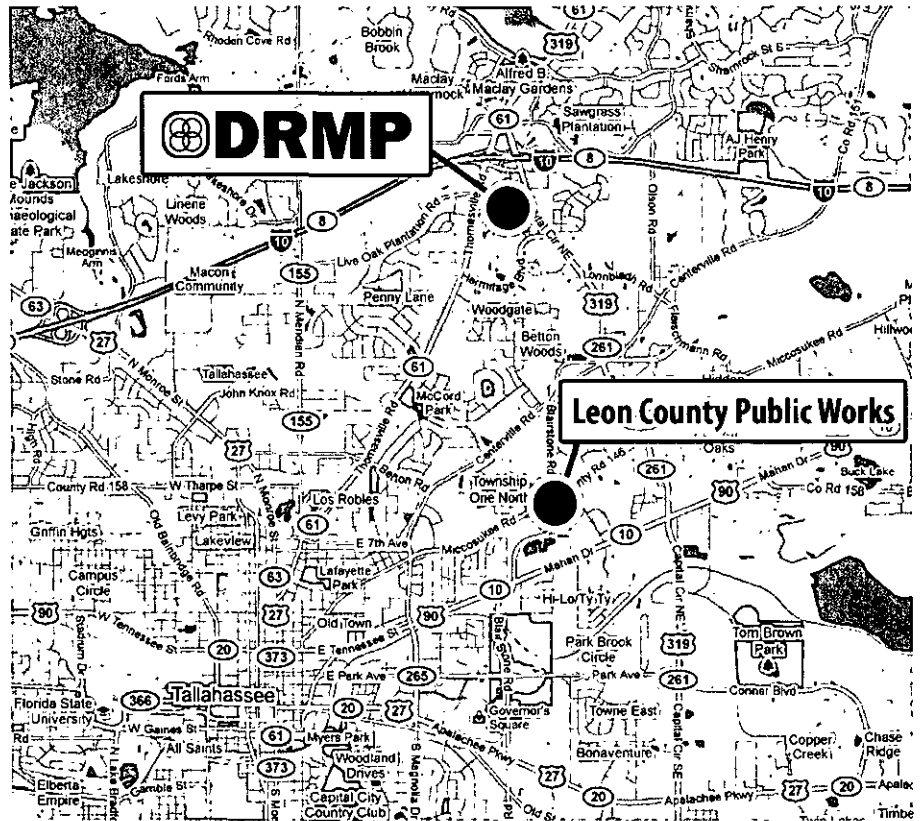
We at DRMP understand that adequate staffing levels are critical in ensuring the success of all projects. Our large staff provides flexibility to our clients which allow us to meet schedules, even with varying workloads among several projects simultaneously. All of our personnel are qualified to work on this project. With the depth of our staff, DRMP will be able to provide the necessary personnel to stay on schedule and if necessary, will utilize personnel from other offices to assist with assignments in the event of unforeseen circumstances and accelerated schedules.

For the Tallahassee office, the backlog that we are depicting reflects contracts or task orders that are under contract or approved contracts pending execution. As noted above, our backlog and project load allows DRMP to meet any new task obligations presented by the County. We are first committed to providing local service and will make staff assignments that fit geographic proximity as well as expertise.

Project Team Location

DRMP is nearby and easily accessible to Leon County! Our corporate headquarters is only 4.4 miles (12 minutes) from Leon County and our staff is available and committed to providing quality services to the County. We have served local municipalities from this office in the past and believe our location enables us to provide these services to the County in the most efficient and cost-effective manner possible. The County can rely on the complete support and resources of the firm, and our 33 years of consulting experience. We are an established firm whose staff is never more than a phone call or short trip away whenever needed, and our resources and offices are here for the long haul.

Note: Our organizational chart includes staff from other offices as we plan to utilize staff from other area offices to provide technical expertise and accelerated production capacity. We also propose to use local subconsultants to assist with successful project completion.



Approach to the Project

Leon County is seeking professional engineering services for Roadway Design. DRMP understands the major intent of this contract is to provide roadway design, safety improvements, ADA access, sidewalks, bicycle lanes, milling and resurfacing, signalization, signing and marking as well as the many other aspects to roadway engineering projects. This contract will require that the consultant provide a range of professional engineering design services issued under individual Task Orders. DRMP's extensive staff provides a comprehensive team of professionals with many years of Transportation Design experience. The following narrative, while not a comprehensive dissertation on our approach to a generic design project, provides a description of many aspects of the DRMP Team's approach that will distinguish us from other firms.

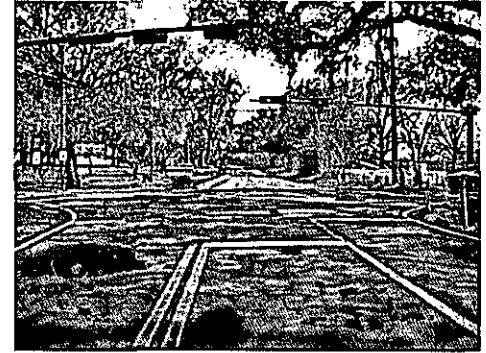
DRMP's approach to design begins by providing the County with the manpower necessary to handle each task assigned. Through our extensive experience with continuing contracting, we understand the nature of handling multiple assignments at once. To accomplish this we have established a primary Project Manager, who will serve as the single point of contact for all assignments and a group of Task Managers. Each of our task managers have strong roadway design experience and is intimately familiar with the design process and requirements for projects in Leon County. As assignments are developed, tasks will be assigned to the responsible PE overseeing the work. The Project Manager is **Bryant King, PE** in DRMP's Tallahassee office and the Task managers are **Scott Early, PE** (Assistant Project Manager), **Eric Gooch, PE** (Tallahassee, Project Engineer), **Ben Faust, PE** (Project Director, Senior Engineer), **Jim Hagon, PE** (Highway Design) and **Travis Shannon, EI** (Tallahassee, Staff Engineer). *This approach has proven very successful on our current Transportation Projects in the Northwest Florida Region – including FDOT District Three, Panama City, Escambia and Santa Rosa Counties. We have delivered many task work orders for these clients and each one of these tasks was delivered on time or even ahead of schedule.* With fourteen offices throughout the state and over 80 professionals dedicated to the roadway design, we have the proven manpower and resources to handle the demands of continuing contracting.

Roadway Design

DRMP has a vast knowledge base and project experience when it comes to roadway design and roadway related projects such as major roadway design which may include enhanced local, collector or arterial roads, roadway modification such as the expansion or addition of turn lanes, the addition of curb and gutter, sidewalks, bike lanes, roadside drainage, shoulder treatment, resurfacing projects, sidewalk repairs and maintenance reviews, traffic calming with the use of speed humps, roundabouts or traffic islands to slow traffic on streets, as well as the addition of medians and street-scaping to improve the flow of traffic. All designs must meet Leon County standards or as otherwise noted on a project by project basis. DRMP Staff also has experience with expert witness services and other services in support of right of way acquisition such as stormwater review of impacts to adjacent properties, noise impacts, traffic impacts and other litigious issues that may be encountered during the right of way acquisition process.

Each new assignment will be approached in same the manner. This is important in providing the County's Project Manager a seamless and integrated project of the high quality that DRMP has become known for. We understand that early research and familiarization of

the project design and survey issues is critical to develop a thorough understanding of the required scope of work and provides for a successful project and a well coordinated design process.

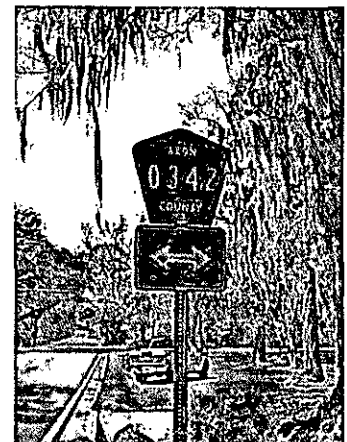


We also review all documents provided by the County and recover and review the original construction documents and plans for each project as well as any safety reports that may be available. As part of our research, pictures and inventories of the existing conditions are taken of the projects that will aid in the design efforts and reduce fieldtrips to the project site. In addition to reviewing the site in relation to the scope, DRMP staff also identifies all other deficiencies within the project limits and make this information available to our Project Manager.

Important items to be evaluated during the design phase are: Safety concerns, clear zone violations, horizontal and vertical geometry, ties to existing properties, pedestrian access as well as conformance to ADA requirements, bicycle access, environmental impacts, retaining walls, handrail and guardrail locations, border widths, control zone infringements, maintenance of traffic, minimizing impacts to existing utilities, side street connections and continued coordination with the public. Major considerations when designing the proposed improvements will be to address constructability and safety issues throughout the project limits.

We also understand specific roadway design issues that are unique to Leon County. We have recently completed a major design project for Blueprint 2000, Capital Circle SE from Woodville Highway to Tram Road. DRMP was responsible for preparing preliminary design documents, including right of way maps. We also participated in the design-build phase, where we were responsible for drainage, lighting and Quality Control/ Quality Assurance. DRMP also recently completed the resurfacing plans for Mahan Drive from Apex Drive to east of Interstate 10 for FDOT District Three. The DRMP Team has experience with numerous issues that are commonly encountered in Leon County. These include, but are not limited to:

- Closed Basins
- Karst Geology
- Wetlands
- Successional Forests
- Socially Significant Trees
- Canopy Roads
- Historical Sites
- Archeological Sites
- ADA Compliance
- Special Water Quality Standards (Lake Jackson Basin, Bradfordville Standards)



RESPONSIVENESS, SCHEDULING AND EASE OF ADMINISTRATION

DRMP is very experienced with the administration of continuing services contracts. We have been working continuously with various clients for these types of projects for many years and our experience with all types of Continuing Services contracts dates back to 1984 when DRMP was selected for the very first FDOT District Five Districtwide Traffic Operations contract.

We understand the County staff is the client and as such, it is our responsibility to act as an extension of the County staff completing the work effort for each project thoroughly and completely. Responsiveness and communications are key components to this process.

Our experience gained through the completion of over 36 FDOT Districtwide contracts and over 20 County and City Continuing Services Contracts, the DRMP Team has developed a project administration plan that will efficiently coordinate work efforts through the use of defined channels of communication and management procedures. This standardized approach will enable us to administer multiple overlapping project schedules that are being performed by multiple team members.

The County Project Manager will be kept well informed at all times. However, recognizing that the County Project Manager may be managing multiple projects, DRMP will strive to minimize the County's day-to-day involvement by obtaining needed information ourselves, maximizing electronic information transfer (e-mail, FTP sites), utilizing conference calls and providing prompt meeting minutes. We will schedule progress meetings as often as the County Project Manager desires, and she will be provided with monthly progress reports that include action items that also identify the individual responsible for following up. We will also coordinate the County's Project Manager's availability prior to scheduling meetings with other agencies.

Quality Control/Quality Assurance

DRMP is extremely proud of our reputation for high quality roadway design work for our many clients. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. We have prepared a detailed description of the DRMP Quality Control and Quality Assurance process included in Tab B of this document.

Utility Coordination

Utility coordination is an area where, if handled effectively, the consultant may bring a benefit to the County. Providing effective utility coordination services is all about good, solid communication between the roadway designers, the utility owners and the County. Requiring the consultant to also be responsible for securing the utility relocation agreements creates the incentive to resolve potential conflicts early and effectively. Effective coordination with the utility owners requires constant attention and persistence.

In our recent experience with utility coordination on several projects in the region we have learned that effective utility coordination requires the dedication of a knowledgeable individual that knows the process and utility owners and can persistently facilitate communication between the designer, the utility and the County. DRMP will stay in constant communication with the County staff and ensure that the utilities are addressed on time and in a fashion that meets the requirements of the utility owner and the County.

A thorough understanding of the utilities involved in the project another area where DRMP can bring time and costs savings to the County. Through the use of Subsurface Utility Engineering (SUE) DRMP can identify conflicts and allow time for cost-saving resolution. DRMP has the staff and equipment to meet all the County's SUE expectations. The need for precise utility information has consistently increased as utilities are placed underground with little or no accurate documentation of their location. DRMP's SUE services provide our clients with the capability to utilize reliable underground utility information in the design process or during construction. Through the use of state-of-the-art equipment and by applying professional implementation of ASCE Quality Standards, DRMP can prevent unnecessary utility relocations, eliminating unexpected conflicts, enhancing accuracy of project designs and increasing safety. We can save the County time and money by implementing of subsurface utility exploration and location on each project as appropriate.

Before any project begins our staff will acquire and review any existing As-Built information and Utility Records that may impact the project limits. Please note that this information is very useful for planning but is frequently inaccurate and should not be relied upon. Once the initial research is complete, our staff will verify the As-Built and Utility Records with existing field conditions. This also provides us the opportunity to discover any utilities that may have been overlooked in the research phase.

DRMP staff will coordinate with utility owners and perform subsurface utility design utilizing electromagnetic (EM) and ground penetrating radar (GPR) techniques to create a two dimensional map



of the utilities. DRMP will also "Sweep" back through the project corridor using the same techniques to identify the existence of underground utilities that were not identified in the utility research phase. If deemed necessary in conflicting areas as identified by the designers, DRMP will then locate utilities by physically exposing them and recording the vertical and horizontal location of the underground utility or structure. The test hole will be performed using vacuum excavation equipment (Vacmaster 4000) and will determine the depth of the utility from existing grade and its estimated size and material. All utility information collected by SUE and survey methods are provided to our engineers to incorporate into the utility plans and utilized for coordination purposes.

Maintenance of Traffic

The Traffic Control Plans for projects assigned under this contract will be prepared in accordance with FDOT and County Policy. FDOT Policy and the MUTCD regulations are constantly changing and improving, however, DRMP staff remains fully aware of current requirements as a result of Allen W. Schrumpp's position as a teaching instructor in Advanced MOT. All maintenance of traffic plans prepared by DRMP, from the simple projects to the complex, are reviewed by Allen to insure that they comply with the most current requirement as well as good design and construction practice.

DRMP will develop maintenance of traffic plans for every project utilizing input on lane closure restrictions from the County staff, requirements from other agencies (FDOT, City of Tallahassee) and community leaders. *As a part of our contract we will provide close coordination and develop plans that minimize impact to roadway users while still providing the County with a cost effective and flexible project construction schedule.* We also typically coordinate with emergency management officials to ensure that concerns about emergency evacuation and important events are addressed.

Public Involvement Plan

A well planned and executed community awareness plan is essential to the success of any project. DRMP firmly believes that effective communication is essential to the success of any project. The foundation of an effective communications program is a broad-based **Public Involvement Plan (PIP)**, which informs local citizens, property owners, agencies, and public officials regarding potential project alternatives, schedule, and other issues. The PIP will address the following elements.

- Coordination and Small Group Meetings
- Mailing List and Public Involvement Database
- WEB Page Creation and Maintenance
- Advertisements, News Releases, and Public Information Meetings
- Assistance and support for Staff Presentations
- County Commission Work Session and Public Hearing

DRMP also has an in-house full-service, specialized graphics department that develops web sites, boards, overheads, computer presentations and booklets that are the best in the business. Having graphic designer's on-staff provides DRMP with the resources to create high-quality public information brochures and presentations in a timely, cost-effective manner.

Signalization Design

For the preparation of signalization plans associated with any roadway design task, the DRMP Team will conduct a field review to place the proposed signal equipment, whether it is a strain pole or mast arm, clear of the marked existing utilities. DRMP will then proceed with the signal design work toward an initial submittal. During the design DRMP will look at design options for either mast arms or stain poles which may present cost savings to the County.

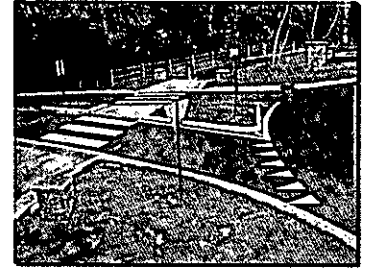
Prior to proceeding with design of the signalization, DRMP's engineers will work with City and County personnel to evaluate the most efficient intersection operation by evaluating phasing and timings. Once the operation is determined, the signal design plans will be prepared which includes all relevant information such as signal head details, timings, detector information, topographic layout including intersection design with appropriate station/offset information and pay items.

DRMP will coordinate with the County to ensure all the latest signal design preferences are included (i.e. opticom needs, controllers, color preferences, etc...). DRMP will also review the need for any ITS elements such as fiber interconnect or CCTV installation in conjunction with the signal installation. All preferences and ITS related information will be included in the 60% plans.

DRMP understands that utility coordination can have a sever impact a signal project's schedule. For this reason DRMP will begin the utility coordination process in earnest at the onset of the task work order for these type of projects. DRMP will provide the conceptual plans to the utilities as soon as the survey information with the

centerline and right-of-way lines are obtained and the proposed signal poles have been laid out for use by the utility agencies to provide information related to the location, type and size of their existing facilities. This information is utilized in performing the Subsurface Utility Engineering (SUE) work discussed in the utility coordination section above.

To address structural design requirements, we anticipate using FDOT standard foundation designs and details where ever applicable. If special situations require unique designs for foundations, we will follow FDOT and AASHTO design criteria and details. We have tremendous experience in special design foundations to avoid utility conflicts.



The DRMP Team will conduct soil investigations to evaluate soil conditions for foundation requirements. The presence of unsuitable material will be investigated and a proper remediation plan developed as appropriate. We will finalize the design criteria and make certain of the appropriateness of the criteria for the assignment. Upon finalization of field surveys, data collection, utility identification, etc., the design will be completed and construction drawings will be finalized.

Signing and Pavement Marking Design

DRMP will develop all signing and pavement marking plans utilizing all current Leon County standards and preferences and the latest version of the 2009 MUTCD. When practical, bike Lanes will be accommodated on all signing and pavement marking designs and ADA accommodations will be incorporated into the designs for all pedestrian crosswalks. DRMP will review the need for audible markings on rural roadways with County staff. Crash history will be reviewed to determine if audible markings would alleviate any crash patterns.

Drainage Analysis and Design

DRMP can provide full service drainage support for our roadway design efforts. We are very well versed in County and FDOT drainage design standards. Drainage design will be approached with a philosophy of ensuring public safety and providing a permit compliant design, while minimizing or eliminating right of way needs, avoiding project delays by effective utility coordination and minimizing or reducing impacts to environmental features. Our approach will be to coordinate early with utilities and state and local regulatory agencies to identify critical issues. The need for stormwater ponds will be clearly documented with alternative locations if additional right of way needs to be purchased. The drainage collection system will be designed to meet state and local code with design emphasis on utilities, maintenance and constructability.

Permitting

DRMP will be responsible for coordination with the regulatory agencies so that each design effort is properly directed toward permit approval. DRMP can ensure a smooth approach for the permitting requirements by following these steps: A Pre-Application Meeting will be held between the County Project Manager, DRMP and all agencies (including state and local agencies if needed) that will require permits on the projects prior to 60% plan development. DRMP shall prepare a

permit package based on preliminary coordination and the regulatory agency's requirements at the time of submittal. DRMP will prepare a narrative for inclusion in the permit application package that describes all work being performed on this project, impacts to the environment and methods of construction specifically related to the environmentally sensitive areas to aid the regulatory agency reviewer in understanding the scope of the project.

DRMP's lead environmental scientist, **George McLatchey, PWS**, and our Project Manager (and Tallahassee area drainage and permitting expert), **Bryant King, PE**, will coordinate with the Roadway Task Manager in developing a design that will minimize impacts by following the above described permitting process to ensure a permit is secured for each project. George and Bryant have worked closely on projects for many years and provide strong leadership, especially in dealing with the challenging permitting conditions that may arise on task assignments in Leon County.

The size and scope of a typical project is considered early in the process and DRMP scientists and engineers will work to minimize environmental impacts. *Additionally, staff will take a streamlined approach to keep projects exempt which are below regulatory thresholds.* When the need arises, DRMP staff will perform environmental assessments, along with the necessary documentation and agency coordination with the County Growth Management, FDEP, NFWFMD and ACOE in accordance with regulatory guidelines.

For the local regulations on projects in the Leon County, the Natural Features Inventory (NFI) is the identification phase in which significant features such as wetlands, trees, floodplain, threatened or endangered species, etc are identified. The second phase (EIA) describes any impacts and minimization and offset methods. The Leon County regulations would consider most minor design projects to fall under the provisions of a Public Sector Linear Infrastructure project which allows a greater percentage of the site to impact protected natural features.

Process and Preparation of Roadway Design

DRMP prepares construction plans and specifications such that a project can be let to contract or constructed by County forces. DRMP's approach to the task orders assigned under a Continuing Services Contract is a logical process that starts with meeting the County's Project Manager to perform a field review and define the scope of work. This pre-scoping meeting will involve reviewing all elements such as ADA, drainage, pavement condition, guardrail, turn lane lengths, median openings, signing, signals, and lighting. Engineers from each discipline will attend the field review to elicit input from the various specialists having work involved in the project.

Once the scope of work is defined, a review of the data available which can be utilized during the design process will be performed in order to reduce the efforts of the design and thus minimize the hours needed. DRMP's Project Manager, **Bryant King, PE**, will work with the County's Project Manager to determine the adequacy of all information to determine what will be utilized. Once this effort is completed, DRMP will prepare staff hours for the project and submit them for review and approval. Negotiations for the staff hours may follow before a fee is finalized.

Once the Notice to Proceed is obtained, DRMP's Project Manager will schedule an internal meeting with the design team members to review the scope of work, schedule, budget, data collected to be utilized with the design and critical path items. At this meeting, the

controlling design criteria will be discussed and identified so that all team members are well aware of the design requirements.

In those cases where the survey is provided by the County, a team field review will be scheduled early with all relevant team members to walk the project and review the survey to determine if inconsistencies exist. During this field review, non-standard issues will be reviewed in order to identify if they meet County standards, AASHTO or Greenbook criteria. Resolutions will be identified for these non-standard issues and those that cannot be easily resolved will have cost estimates developed for further review by the County. Specific elements that are reviewed include horizontal and vertical curves, superelevation rates and transitions, cross slope, horizontal clearance and access management.

Upon completing the field review and identifying elements which need to be addressed during the design phase, the Engineers Estimates will be prepared for the County to provide the construction costs for the project. This Estimate will be updated several times during the design process. Utility companies having facilities within the project limits will be identified and contacted. Right-of-Way will be reviewed to ensure the proposed improvements will not necessitate right-of-way acquisition. If Right-of-Way acquisition is required, the limits will be identified early so as not to delay the start the Right-of-Way acquisition process. Discussions will be held with the County as to who will be responsible for the development of the right of way surveys and associated maps or drawings. Once this has been established and the survey is completed, title searches will be performed and the acquisition process may proceed.

All available information to develop plans will be reviewed. The project schedule will be reviewed and adjustments made if necessary. In-house coordination meetings will be performed to disseminate all applicable information and review staffing needs. Critical Path items will be identified and scheduled.

The Typical Section and Pavement Design Packages will be developed and used as the guide for design. Design criteria items identified in the Typical Section Package which guide the design and set geometry are design speed, traffic information and lane widths. This information will be provided to the County at the Concept Design submittal for concurrence.



DRMP will prepare a Design Documentation Book, which contains the approved Typical Section Package, Approved Pavement Design, design calculations, approved variations and exceptions and all documents relevant to the decisions made during the design process. Quality Control and constructability reviews will be scheduled prior to each submittal. The engineers estimate will be reviewed and adjusted prior to the 60% submittal. After receipt of 60% comments, plans will be updated as necessary. These updated plans will then be utilized for the utility contacts and used as the basis of discussion during the utility coordination meetings which will then be scheduled.

Upon receipt of 60% comments, production will move forward to the Phase 90% submittal. Comments will be responded to by

compiling all comments into one document. DRMP will coordinate any comments which may create a significant cost increase to the project or potentially change the scope of the project with the County Project Manager. DRMP's Project Manager, Bryant King will meet with the County staff to review and discuss these additional items that are being requested through the review phase. Our staff is very cognizant of the economic constraints in this economic climate and will not add additional construction costs to the project without bringing it to the attention of the County's Project Manager.

The development of the 90% plans will include the development of any Technical Special Provisions necessary. As the approval of any Technical Special Provisions has to be completed prior to the submittal of the full specifications package, it is important to obtain a concurrence or incorporate any review comments on any TSPs prior to submitting 90% plans. DRMP will work with the County to obtain approval of the specifications prior to completing the 90% submittal.

Prior to submitting the 90% plans, the Engineer's estimate will be updated with the current items and quantities. The plans, computation books, design documentation and specifications will go through a rigorous QA/QC process including a constructability review by our CEI staff. DRMP will utilize our CEI division in a peer review role for all submittals.

Upon completion of the 90% plans submittal and receipt of comments, DRMP will incorporate all comments and prepare the final plans and specifications package submittal.

For those projects requiring permitting with other agencies such as the Florida Department of Transportation or the City of Tallahassee, DRMP will meet with the agency prior to the 60% submittal to obtain the permitting requirements of the agency and coordinate any other projects that may be in the area of the proposed project.

The 60% submittal will be provided to the permit agency with the necessary permitting forms for processing and review. All comments received from the 60% review from both the County and the permitting agency will be addressed and a resubmitted back to the permitting agency with the 90% submittal to the County in an effort to obtain the permit prior to the plans being finalized.

For small scale projects, DRMP can accelerate the schedule by going straight from a concept review stage straight to a 90% submittal in order to meet the needs of Leon County.

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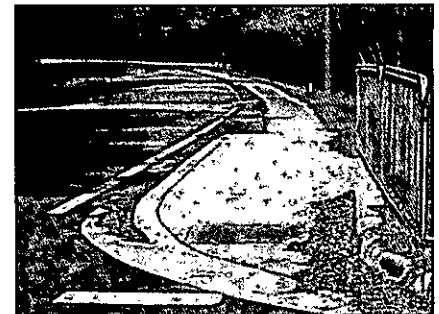
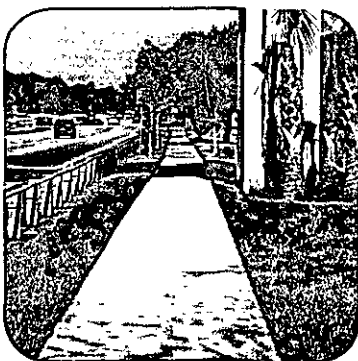


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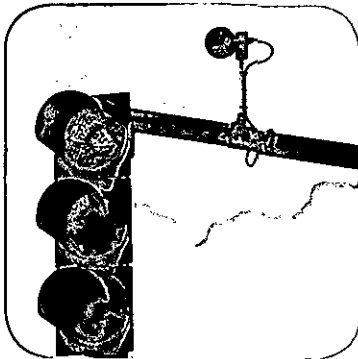
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CONTRACTOR INFORMATION

Firm name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Office Location: 1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

Contact Person: Bryant A. King, PE.
P: 850.562.9600
E: bking@drmp.com

EXECUTIVE SUMMARY

Firm Overview

Dyer, Riddle, Mills & Precourt, Inc. (DRMP) has been in business since 1977 as a multi-discipline firm serving clients in the public, private and industrial sectors in the development of infrastructure for the community-at-large. We currently have 14 office locations spread strategically across the southeastern United States.

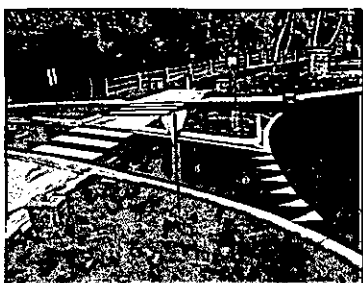
Our staff is capable of managing a project from the early planning stages through design and into construction administration. Founded on a standard of excellence, our growth and success is based on our commitment to tailor our multi-discipline services to effectively develop quality design solutions that are cost effective and delivered within the agreed upon timeframe. Today, DRMP is ranked among *Engineering News-Record's* "Top 500 Design Firms" in the United States.

TRAFFIC ENGINEERING

Growth and development dictate the need to plan for improving current infrastructure for future mobility. DRMP's Transportation Planning group brings a comprehensive, problem-solving approach to every project. By analyzing historical trends, modeling and forecasting existing and projected traffic conditions, as well as generating and evaluating alternatives, we are able to develop the best possible plan to accommodate increased travel demand. With our team's strong knowledge of current regulatory requirements, we can handle any client's transportation needs.

The study and design of vehicular operations for the improvement of mobility can seem as much as an art form as it is an engineering challenge. DRMP's primary goal is to utilize ingenuity and make sound recommendations to provide a safe and efficient environment for both vehicles and pedestrians to travel through complex transportation networks. Our experience demonstrates how our idea of safety goes hand-in-hand with quality designs for smooth traffic operation.

DRMP's traffic engineering expertise ranges from minor intersection improvements and major roadway design to signal design and arterial reconstruction. As traffic infrastructure continues to grow in complexity, we aim to work smarter to solve the challenges of moving traffic both today and tomorrow. Our services include:

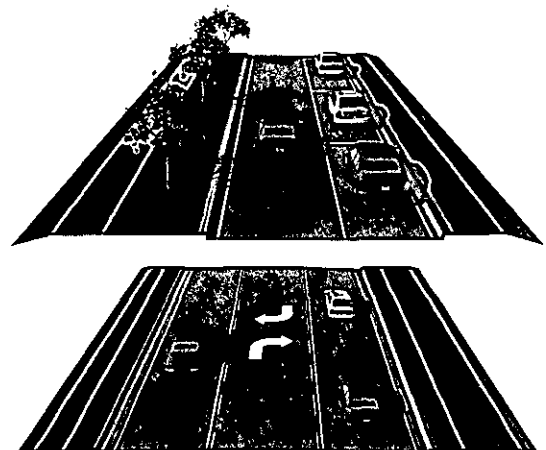


- Lighting Design
- Minor Roadway Improvements
- Safety Upgrades/ADA Improvements
- Signal and Interconnect Design
- Signal Retiming and Corridor Progression
- Signing and Pavement Marking
- Intelligent Transportation Systems
- Utility Coordination

TRAFFIC STUDIES

DRMP strives to provide and maintain consistency in planning and execution while solving the varied problems that arise to efficiently and effectively provide mobility. Our transportation planners will ensure transportation needs of the City of Ormond Beach are met through a holistic, multi-modal approach that incorporates the right balance of transportation elements as well as pedestrian walkways, trails, bike paths and transit features. Our services include:

- Access Management Studies
- Congestion Management Systems
- Corridor Studies
- Development of Design Traffic Projections
- Developments of Regional Impacts (DRIs)
- Interchange Modification and Justification Reports
- Level of Service Analysis
- Long Range Transportation Planning
- Municipal Planning Support
- Operational Analysis and Feasibility Studies for Corridors, Intersections and Interchanges
- Mobility Fee Assessment
- Safety Studies
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- Traffic Calming Studies
- Traffic/Transportation Impact Analysis
- Traffic Operations
- Traffic Simulation Modeling
- Transportation Modeling: Validation, Calibration and Projections
- Travel Demand Forecasting



AUTHORIZED REPRESENTATIVES

Authorized Representatives declare that DRMP's proposal for Stormwater Engineering is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.

Bryant A. King, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bking@drmp.com

Ben C. Faust, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bfaust@drmp.com

**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274A(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP) Jon S Meadows

Signature: Jon S. Meadowst, PE Title: Principal-in-Charge

STATE OF Florida
COUNTY OF Leon

Sworn to and subscribed before me this 17th day of March, 2011.

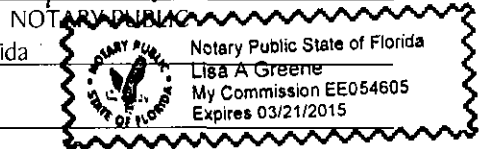
Personally known ✓

OR Produced identification _____

(Type of identification)

Lisa A. Greene
Notary Public - State of Florida

My commission expires: _____



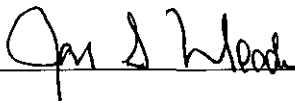
Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: Title: Principal-in-ChargeFirm: DRMP

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this completed Insurance Certification Form, signed by the company Risk Manager or authorized manager with risk authority.

A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

Business Auto:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

If answer is NO, provide name and address of insurer:

2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.


Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

Coverage is in place Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Daniel M. DeLaRosa
Typed or Printed

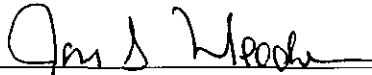
Signature 

Date 3/8/11

Title Vice President
(Company Risk Manager or Manager with Risk Authority)

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.

_____
Signature_____
Principal-in-Charge

Title

DRMP

Contractor/Firm

1435 East Piedmont Drive, Suite 210, Tallahassee, Florida 32308
Address

LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	
Current Local Address: 1435 East Piedmont Drive, Suite 210 Tallahassee, Florida 32308	Phone: 850.562.9600 Fax: 850.575.5544
If the above address has been for less than six months, please provide the prior address.	
Length of time at this address:	
Home Office Address: 941 Lake Baldwin Lane Orlando, Florida 32814	Phone: 407.896.0594 Fax: 407.896.4836

Jon S. Mcadows
Signature of Authorized Representative

March 17, 2011
Date

STATE OF Florida
COUNTY OF Leon

The foregoing instrument was acknowledged before me this 17th day of March, 2011.

By Jon S. Mcadows, PE, Principal-in-Charge, of DRMP,
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Florida corporation, on behalf of the corporation He/she is personally known to me
(State or place of incorporation)

or has produced _____ as identification:
(type of identification)

Lisa A. Greene
Signature of Notary
Notary Public State of Florida
Lisa A. Greene
My Commission EE054605
Expires 03/21/2015

Return Completed form with supporting documents to:

Print, Type or Stamp Name of Notary

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

Title or Rank

Serial Number, If Any

Ability of Professional Personnel

It is our philosophy and approach to provide the best available talent in our organization to each project and, if necessary, to utilize outside support due to expertise, cost, scheduling or location issues. A major strength of DRMP is our depth of experience and expertise, both in our project managers and our technical staff. This background, combined with our underlying company philosophy of meeting client needs in the most timely and cost-effective manner, has contributed significantly to our long-term success.

We have assembled the members of this project team based on professional experience, completion of similar projects in the local area and ability to perform the tasks required for this continuing contract. Additionally, these project team members have experience in working under a contract that requires completing task assignments on an on-call basis.

AVAILABLE STAFF RESOURCES

DRMP's professional staff has extensive experience in the services required under this Traffic Engineering Continuing Services Contract. DRMP's Transportation Division includes 80 individuals devoted solely to Transportation and Traffic Operations Improvements Contracts. These individuals have a wide range of experience in both the design and study areas with the necessary skill set to meet the requirements of this contract. The following table is a listing of these individuals with their experience and availability.

Project Staff	Areas of Expertise														Percent Availability
	Years of Experience	Roadway	Drainage	Signing/Pavement Marking	Signals	Lighting	Traffic Control	Permitting/ Environmental	Structural	Utility Coordination	Surveying	Mapping	Subsurface Utility Engineering	Constructability Reviews	
Bryant King, PE	12	•		•			•								60%
Ben Faust, PE	19	•		•	•	•				•					15%
Allen W. Schruppf, PE	34	•	•	•	•	•	•							•	20%
Joseph Perri	34	•	•	•	•	•	•							•	20%
Juan P. Camacho, PE	11	•		•	•	•	•								65%
S Scott Early, PE	17	•	•	•	•	•	•							•	25%
James L. Hagon, PE	14	•					•								60%
Chad Friday, EI	4.5														60%
Patrick Nevah, PE	5														60%
Carlos Martinez, PE	18			•	•		•								65%
Travis Shannon, EI	4.5		•					•							55%
James Highland, PE	9			•	•	•	•			•					60%
William E. Moss, EI	6			•	•	•									75%
Richard Ranck, PE	21														60%
Vasu Persuad, EI	4														60%
Jocelyn M. Haisch-Linn, PE	11								•						75%
Michael J. Leo, PE	17								•						70%
Jeff Lance, PLS	26										•	•			35%
Wayne A. Guido, Sr.	20												•		65%
Mark E. Puckett, PE	24													•	10%
Richard E. Roberts	41													•	10%

KEY PERSONNEL PROJECT MANAGEMENT

DRMP's project management method is based on providing Leon County with superior project administration and coordination. This ensures that the County receives the highest quality work products and services while minimizing the County's staff's required input and contract management. Our project team is structured to

assign a highly-qualified project manager to: (1) act as the primary point of contact; (2) monitor the work product; and (3) assist the County in developing and scoping individual work tasks. The primary task of the project manager is to coordinate all resources of the project team to ensure we are able to:

- Provide comprehensive services for any task assignment;
- Create a strong working relationship with the County staff, built on mutual trust and professionalism in the development and implementation of project and program objectives;
- Work effectively as an extension of the County's staff to provide the required services, in a highly-efficient, cost conscious and professional manner;
- Handle issues and concerns as quickly and effectively as possible as they arise;
- Ensure that solutions are developed that are not only technically correct, but are also consistent with the needs of the community, and advance the effective implementation of adopted goals, objectives and policies.

Project Manager Bryant A. King, PE will ensure that the County receives the services they need and deserve. This position is to make certain that resources are available when, and to the degree necessary, and to monitor the County's measure of satisfaction. He will resolve any concerns that may arise, and act as an additional objective manager in the Quality Assurance process. As Project Manager, Mr. King's main responsibility will be to serve as the primary point of contact for the County; develop a comprehensive project scope; monitor the project schedule; and ensure quality control is conducted on work products. Mr. King will also negotiate contracts, coordinate with subconsultants and review agencies and oversee the technical, financial and schedule aspects of the project. He is responsible for the successful completion of each task. Bryant has been with DRMP for nearly 15 years and has been with DRMP in Tallahassee for nearly 7 years.

Ben C. Faust, PE serves as DRMP's Vice President-in-Charge. Mr. Faust will ensure Mr. King has all of the staffing and resources necessary to meet the schedule demands and experience requirement of this contract.

Joseph W. Perri will assist in the quality control for this project. Mr. Perri is the Traffic Engineering Department Manager for DRMP. He has been the Project Manager for over a dozen different Traffic Engineering and ITS Projects throughout Florida for various agencies. Mr. Perri has been with DRMP for 13 years and has over 20 years total experience. His experience includes managing several Traffic Operations Continuing Contracts for the FDOT including two Five Year FDOT Traffic Operations District wide Pushbutton Contracts in which he managed the completion of over 100 work authorizations ranging from ADA improvements to intersection widening projects to accommodate triple left turn movements and signalization design. Each of these contracts was valued at \$750,000. Mr. Perri has also managed several major ITS projects throughout the State of Florida including new systems on Limited Access facilities to system expansion/upgrades projects ranging in value from \$60,000 to over \$2,000,000 dollars. His signalization experience includes managing several urban intersection mast arm intersection upgrades which included development of right of way maps, taking of easements and extensive utility coordination. These contracts included a total of 24 intersections and were valued at \$1,200,000.

S. Scott Early, PE is a senior engineer in DRMP's Transportation Division and will serve as a senior engineer on this project for minor roadway improvements. Mr. Early has 17 years of experience and has been with DRMP for five years. During these five years, Mr. Early has managed several Districtwide projects for FDOT District Three involving work authorizations ranging from minor intersection

improvements involving new signalization installations to turn lane additions. These work authorizations ranged from \$20,000 to \$140,000 dollars.

Juan P. Camacho, PE, is a senior engineer in DRMP's traffic engineering division and will serve as a lead engineer on this project for minor roadway geometry improvements and signalization projects. Juan has 11 years experience and has been with DRMP for seven years. During these seven years, Juan has worked on over 80 Traffic Operations work authorizations ranging from minor signing and marking projects to intersection reconstruction projects to implement dual left turn lanes in multiple directions in urbanized areas ranging in value from \$5,000 to \$27,000 dollars.

Richard Ranck, PE is a senior engineer/planner in DRMP's Traffic Engineering department and will serve as a senior Traffic Engineer on study assignments for this contract. Mr. Ranck has 21 years of experience, of which seven have been with DRMP. During this time with DRMP, He has been the responsible Engineer of Record for various traffic engineering studies including access management studies, signal warrant studies, traffic calming studies, and design traffic studies. These projects have ranged from \$6,000 to \$45,000 dollars.

SUBCONSULTANTS

The DRMP Subconsultant Team has been assembled for this contract not only for their specific expertise but also to continue and build on DRMP's relationship with these experts gained on past similar experience. DRMP has established relationships with these subconsultant firms and has worked with each firm on previous assignments throughout the state.



Dantin Consulting, LLC (DC) was formed in March 2009, located in Leon County and is a small business and certified DBE/WBE with FDOT, State of Florida and

various local governments including Leon County and the City of Tallahassee. Debbie Dantin, PE, is President and CEO and specializes in transportation planning and traffic engineering with 25 years of experience in both the public and private sectors. DC also provides project management, site/civil design, strategic planning for master planned communities, value engineering and construction inspection services.



Environmental and Geotechnical Specialists, Inc. (EGS) will be providing specialty services to the design team.

EGS is highly qualified and has an outstanding work experience within the panhandle of Northwest Florida. The staff at EGS has been providing professional services since 1992. EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services.



Poole Engineering & Surveying, Inc.

is a Florida firm located in Tallahassee, which has operated continuously in the

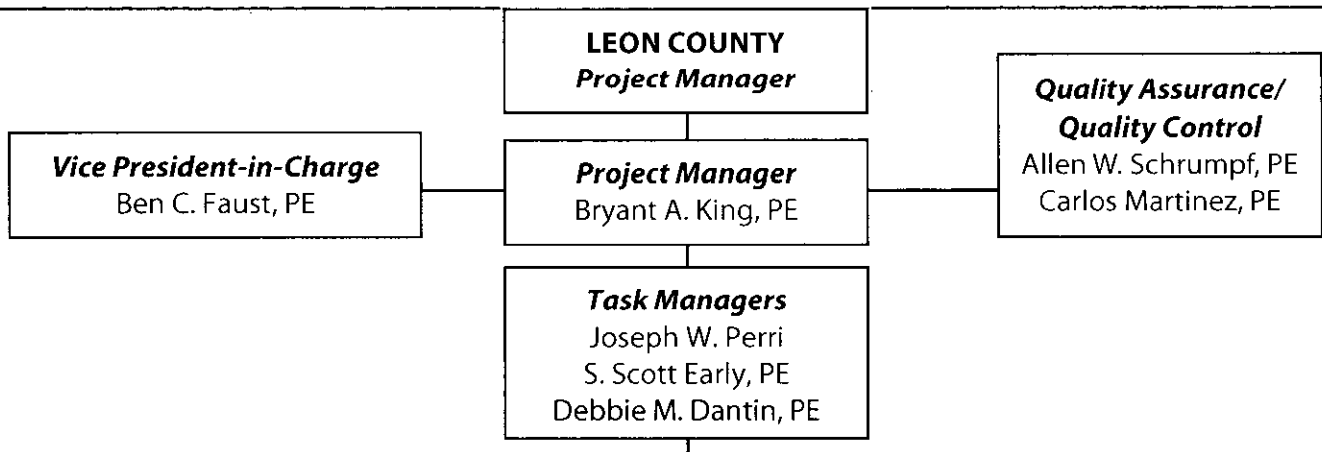
engineering and surveying field for over 30 years. Their experience and dynamic combination of specialized services, advanced technology, and personalized communication with clients has made our firm an intricate part of the growth and development in the North Florida area. Their firm has considerable experience in design and construction of roadway projects and site development projects, including several subdivisions. **Cheryl L. Poole, PE**, Vice President and Corporate Engineer has an extensive background of roadway design work that has included a long tenure with FDOT District Three preparing scopes of work for various projects and performing the roadway analysis for those scopes. Her traffic engineering experience includes traffic operational design, no passing zone studies, warranting of traffic signals, corridor studies and the design of new signalized intersections and the updating of existing signals. Recent projects have been US 319 at SR 363 signalization, traffic study and signal design for the east US 90 widening project in Leon County, the signal design for the realignment of SR 61 at US 98 in Wakulla County and signal designs at several intersections in the Destin and Niceville areas. Roadway design work includes several intersection improvement projects, subdivision roadway networks, maintenance of traffic for FDOT projects, and signing and pavement marking plans. **Barbara Bergstrom, PSM** serving as Corporate Surveyor along with Kevin O'Neal as Project Surveyor is responsible for managing our Survey/CAD Technicians and field crew personnel for all projects. Both surveyors have over 20 years experience in all facets of surveying and have proven skills in their profession for providing the quality work our clients expect. With our experienced survey personnel, Poole has the ability to expand quickly into several crews, as the demand requires. Projects include Drainage Inventory for Frenchtown Master Drainage Study, Call/Cadiz Street Stormwater Improvements, Meginnis Creek Drainage Ditch and proposed Re-alignment for City of Tallahassee Stormwater Division, and the survey work for WRS in the remediation effort for Cascade Park as well as design surveys for many major apartment complexes, commercial developments and residential subdivisions in the local panhandle areas.

Leon County

Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal No. BC-03-17-11-25



TRAFFIC AND INTERSECTION ENGINEERING



Intersection Modifications

Juan P. Camacho, PE
S. Scott Early, PE
Jim L. Hagon, PE
Travis N. Shannon, EI

Traffic Calming

Criteria & Measures

Carlos Martinez, PE
Travis N. Shannon, EI
Bryant A. King, PE

Signal Warrant Study

Richard F. Ranck, PE
Carlos Martinez, PE
Debbie M. Dantin, PE

Minor Geometric Improvements

Juan P. Camacho, PE
S. Scott Early, PE
Chad M. Friday, EI
Travis N. Shannon, EI

Signalization

James W. Highland, PE
Carlos Martinez, PE
Patrick B. Nevah, PE
Debbie M. Dantin, PE

Multi-Way Stop Warranty Study

Richard F. Ranck, PE
Carlos Martinez, PE
Debbie M. Dantin, PE

Signing & Marking Plans

Carlos Martinez, PE
Patrick B. Nevah, PE
Travis N. Shannon, EI

ADA Improvements

Juan P. Camacho, PE
S. Scott Early, PE
Jim L. Hagon, PE
Eric W. Gooch, PE

Traffic Modeling

Richard F. Ranck, PE
Vasu T. Persaud, EI

Geotechnical

Myron L. Hayden, PhD, PE

Concurrency Impact Assessments

Debbie M. Dantin, PE

Traffic Counts

Michael R. Simpson
Jeff Loberger

ITS

Joseph W. Perri
Juan P. Camacho, PE
James W. Highland, PE
Patrick B. Nevah, PE

Drainage/Stormwater

Bryant A. King, PE
Travis N. Shannon, EI

Survey

Jeffrey R. Lance, PSM
Barbara J. Bergstrom, PSM

SUBCONSULTANTS

Dantin Consulting, LLC
Environmental & Geotechnical Specialists, Inc.
Peggy Malone & Associates, Inc.
Poole Engineering & Surveying, Inc.

Bryant A. King, PE

Project Manager



Years of Experience

17 Total

14 With Firm

Professional Registration

Professional Engineer

No. 51994, Florida, 1997

Professional Engineer

No. 030683, Georgia, 2005

Education

Master's in Engineering,
University of Florida, 1996

Bachelor's of Science in Civil
Engineering, University of
Florida, 1991

Certifications

Level II Certified Design
Professional, No. 44943,
Georgia Soil and Water
Conservation Commission,
2007

FDOT Maintenance of Traffic

Professional Affiliation

American Society of Civil
Engineers

Florida Engineering Society

Florida Stormwater
Association

Software Aptitude

adICPR

XP-SWMM

HEC-RAS

ASAD

PROFESSIONAL PROFILE

Bryant A. King, PE is the Office Leader of DRMP's Tallahassee office and is responsible for overseeing all engineering work, both public and private. He has served in this position since August 2004. He is administratively responsible for all work produced in Tallahassee – including Transportation, Civil and Site Design and Water Resource Design. Prior to his relocation to Tallahassee, Mr. King was a Senior Project Manager in the Water Resources department in Orlando, where he was responsible for water resource planning, drainage design, permitting, water quality studies and other stormwater related design projects for both public and private clients. He has been responsible for numerous stormwater and drainage related projects including stormwater retrofits, stormwater master plans, roadway drainage design and bridge hydraulic reports.

Mr. King has been Project Manager and Project Engineer for numerous state and municipal infrastructure and stormwater related projects in Florida. In the past seven years, he has been involved in many transportation and site development projects. His background is in hydraulics and water resources and this has allowed him to interface in many aspects of Civil Engineering design.

GENERAL STORMWATER AND DRAINAGE

Capital Circle Southeast From Woodville Highway to Tram Road, Blueprint 2000 Intergovernmental Agency, Leon County, Florida: Assistant Project Manager on this \$17 million roadway widening project. This project involved widening of 2.2 miles of two lane road to a six lane urban section. This project involved major stormwater design, intersection design, roadway design, utility coordination, right-of-way acquisition and lighting. Mr. King coordinated with internal and client staff and subconsultants, managed schedules, and coordinated submittal for the project under an accelerated schedule. DRMP was responsible for preparing a 60% plus submittal that including full Right-of-Way mapping.

SR 10 (US 90) over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Project Engineer responsible for managing all drainage related design for the 1,617-foot long bridge replacement project including bridge hydraulics, roadway drainage and stormwater management design and permitting. Challenges included calibrating old FEMA hydraulic models, incorporation of revised regression flow data and design of stormwater management facilities under tight right of way constraints.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Project Drainage Engineer of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). Mr. King was responsible for roadway drainage and stormwater management permitting. Critical issues included one joint participation agreement for a joint use pond with Escambia County, design of offsite collection system that handled several hundred acres of urban stormwater runoff, significant utility coordination in the project corridor and design of interchange and bridge deck drainage.

CR 209, FDOT District Two, Clay County, Florida: Project Engineer for this project involved the preparation of a pond siting report, design of three stormwater ponds and design of a collection system that serves a proposed bridge and roadway in Clay County, Florida.

Apopka Bypass PD&E (Preliminary Drainage), FDOT District Five, Orange County, Florida: Project Engineer for this project involved the recommendation of pond siting alternatives for the proposed Apopka Bypass PD&E in northwest Orange County.

6th Avenue Roadway and Drainage Improvements, City of Cairo, Georgia: Mr. King served as Project Manager responsible for the planning, design, permitting, grant support, bid services and construction services for this project that provided improved connectivity, transportation, drainage and flood mitigation to a disadvantaged neighborhood in the City of Cairo, Georgia. The project included evaluation of 6 alternatives, conducting of one workshop and one public hearing. The recommended alternative was designed to GADOT standards and received an Army Corps of Engineers Dredge and Fill permit, a GA Erosion and Sedimentation Control Permit and a Stream Bank Buffer variance. Mr. King also prepared a Preliminary Design report to support and obtain Federal Funding under ARRA and provided full bid services and construction administration services to complete the project.

Evansdale Road Sidewalk, Traffic and Drainage Improvements, City of Lake Mary, Seminole County, Florida: Project Manager on this \$350,000 drainage and traffic calming study. This project involved the design of sidewalks, roadside swales, one swale outfall and traffic medians and speed tables as part of a neighborhood improvement project in Lake Mary. Further improvements included design along roadway reducing present flooding. Mr. King was involved in extensive public involvement; coordinated the preliminary design, construction plans preparation, construction and inspection services.

Community House Road Improvements, Mecklenberg County, North Carolina: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the City of Charlotte and State of North Carolina standards for the roadway improvements on the Community House Road Improvements. Improvements consisted of the installation of grassed medians, turn lanes and the addition of curb and gutter and sidewalk to the existing roadway alignment.

Professional Engineering Services, Northwest Florida Water Management District, Multiple Counties, Florida: Mr. King served as Project Manager for this contract. This contract required DRMP to act as an extension of staff on tasks including review of Environmental Resource Permits, beta testing e-permitting portals and consulting for additional rule making. DRMP has maintained this Contract with NFWWMD for 3 years and has executed 6 Task Orders for this Contract.

Districtwide NPDES Consultant, FDOT District Three, Florida: Project Manager on this continuing services contract. Mr. King is responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and have executed 30 separate Task Orders for this Contract.

Tartary Drive Stormwater Improvements, City of Tallahassee, Florida: Project Manager on this million Stormwater Improvement study. This project involved the preparation of a preliminary engineering report that addresses flood control and flow attenuation in the Tartary Drive neighborhood in Tallahassee, Florida. The recommended design elements included replacement of a ditch with a culvert outfall, construction of a detention pond on City owned property, and numerous pipe and inlet upgrades to the collection system in the surrounding neighborhood.

Lower East Branch Debris Trap of Tallahassee, City of Tallahassee, Leon County, Florida: Project Manager on this \$100,000 Master Drainage Stormwater Study. This project involved the design and construction of an in line debris trap that captured floatables and debris into a holding basin. Unique features included structural design of a floating skimmer and removable catchments screens and a holding area and access design tailored specifically to the City's maintenance equipment. The project involved development of a design report and permitting through the City of Tallahassee Growth Management Department. An environmental resource permit exemption was obtained from the Florida Department of Environmental Protection.

Henry Davis Park Drainage Improvements, City of Panama City, Bay County, Florida: Mr. King was Project Manager for the recently completed engineering plans for a \$1.1 Million water quality and flood control project in the City of Panama City. This project involved filling and piping a drainage ditch, construction of a wet detention pond for water quality and flood control, design of discharge structures and erosion control devices, permitting through the US Army Corps of Engineers and the Florida Department of Environmental Protection. Design was completed in 2006 and Construction was completed in 2008.

Talladega Trail Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$300,000 drainage improvement project in Pensacola, Florida. The project involved the expanding an existing FDOT owned pond and construction of an improved stormwater outfall residential subdivision. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit was secured from NFWWMD.

Klondike Road Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$250,000 drainage improvement project in Pensacola, Florida. The project involved the piping of an existing ditch through a residential subdivision while still allowing overland flows to be regulated. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit and a De Minimus Dredge and Fill Exemption was secured from the FDEP.

Davis Park Improvements, City of Cairo, Grady County, Georgia: Project Manager for this Park Design/Stormwater Retrofit project. This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre, Gazebos and stormwater improvements to help alleviate flooding downstream of Davis Park while providing for a user friendly environment. Conceptual phase is complete and has been accepted by City Council. Final Design documents are underway.

East Branch Ditch FEMA Map Revision, City of Tallahassee, Leon County, Florida: Tallahassee's Continuing Stormwater Consultant on this \$34,000 Drainage Study project. This project involved completing a master drainage study and using the model to develop the report to complete the FEMA map revision. Mr. King coordinated the preparation of floodplain maps for the floodway, 100 and 500-year floodplains, and flood profiles. Mr. King oversaw the preparation of the FEMA maps and hydraulic profiles and coordinated with FEMA staff during the approval process.

Joseph W. Perri

Task Manager; ITS



Years of Experience

19 Total
12 With Firm

Education

AAS, State University of New York, College of Technology at Farmingdale, 1990

Professional Affiliation

Institute of Transportation Engineers
National Institute for Certification in Engineering Technologies

Software Aptitude

Signal Operations Analysis Package (SOAP)
PASSER
Highway Capacity Software (HCS)
SYNCHRO
Trip Generation Software
AutoCAD
MicroStation, Version 8
GEOPAK, 2004
Moving Vehicle Run Analysis Package (MVRAP)
Traffic Analyzer (TA-88)
CORSIM
GuideSign

PROFESSIONAL PROFILE

Joseph W. Perri is a Vice President and serves as the Department Manager for DRMP's Traffic Engineering Department. He has been involved with the preparation of various traffic engineering design plans including signalization/signing and pavement marking plans and minor roadway design. Mr. Perri also has managed various Districtwide Contracts for the Florida Department of Transportation. In that capacity his duties involve assigning resources to various projects and managing project schedules. His experience in traffic engineering design has included technical engineering analysis, design of minor intersection reconstruction, signalization plans, and Intelligent Transportation Systems (ITS).

Mr. Perri has had experience with traffic engineering studies. The studies included the tasks of analyzing traffic operations for both intersections and corridors. His project experience in traffic engineering has included work for municipalities, New York State Department of Transportation, New York State Thruway Authority, Florida Department of Transportation District's One, Two, Three, Four and Five and Florida's Turnpike Enterprise. These types of projects included traffic signal and interconnect installations, minor roadway improvements, and Intelligent Transportation Systems. Through these projects, he has gained a thorough knowledge of work zone safety regulations, procedures for permitting, utility coordination, specification development, public information process, and overall plans preparation.

RELEVANT PROJECT EXPERIENCE

SR 89, FDOT District Three, Santa Rosa County, Florida: Responsible for signing and pavement marking design and no-passing zone study for a four-mile roadway milling and resurfacing project from SR 4 to the Alabama State Line.

SR 4, FDOT District Three, Santa Rosa County, Florida: Signal modification (one location), signing and pavement marking design and no-passing zone study on SR 4 from 1/2 mile west of J. Lowery Road to CR 87A.

SR 173 (Blue Angels Parkway) at CR 296, FDOT District Three, Escambia County, Florida: Loop replacement detail and signing and pavement marking plans for intersection improvements.

SR 298 (Lillian Highway) at SR 727 (Fairfield Drive), FDOT District Three, Escambia County, Florida: Signal modification and signing and pavement marking design for intersection improvements.

SR 10A (US 90), FDOT District Three, Escambia County, Florida: Upgrade five intersections to mast arms and signing and pavement marking plans for milling and resurfacing and minor widening for approximately three miles from Godwin Ave to Edison Road.

SR 10A (US 90), FDOT District Three, Escambia County, Florida: Prepared signing and pavement marking plans for milling and resurfacing plans for approximately 1 mile from Lynch Street to V Street. Also upgraded one intersection to mast arms.

Districtwide Traffic Operations Push Button Contracts, FDOT District Four, Florida: Project Manager for this contract with projects consisting of providing miscellaneous traffic operations design services throughout District Four. The projects include: resurfacing, turn-lane additions, median modifications, signal modifications, pedestrian feature upgrades, safety upgrades and all related components required. Projects are developed in response to traffic safety issues, public concerns and local agency requests.

Indian River County Closed Loop Signal Control System, Indian River County, Florida: Performed construction engineering inspection services including plans review during design phases, developing testing for various components, and reviewing testing documentation for fiber optic cable.

Osceola Parkway Widening, Osceola County, Florida: Traffic Design Project Manager overseeing the development of traffic design reports with the development of future traffic projections. These projections were used to set intersection geometries and number of lanes for roadway links in order to obtain acceptable levels of service. Detailed construction plans were prepared for signalized intersections along the corridor with proposed phasing and timings. Fiber Optic communications design and specifications were prepared for use in the development of the Osceola County ATMS system.

Franklin Street/Division Street, City of Oviedo, Seminole County, Florida: Prepared signing and pavement marking plans for a new roadway (Franklin St) and the widening of Division Street. The plans included the installation of a roundabout and the use of various traffic calming measures such as choker islands.

Rock Springs Road, City of Apopka, Orange County, Florida: Signalization design and signing and pavement marking design for roadway reconstruction project (widening from two-lane to four-lanes).

Seminole County Street Systems Phase I: This project included the design for the installation of 26 Dynamic Message Signs and CCTV sites providing continuous coverage of various routes throughout the county. Prior to finalizing the design for the CCTV installations, the County Commission voted to amend the contract to remove the installation of the CCTV sites. The design of the DMS signs included the installation of new Fiber Optic Communications cable both aerial and underground, controller cabinets, and fiber modems. All field devices were supplied with power service from a circuit breaker connection which was designed to support a full load condition of all devices connected to. Surge suppressors were installed on both the circuit breakers supplying the power service and the main circuit breaker housed inside the cabinet. The signs were designed to be mounted on standard Mast Arm Assemblies in order to keep the construction costs to a minimum.

SR 414 Phase I Expressway Management Systems, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Manager overseeing the design for a new gigabit Ethernet fiber optic communications network consisting of CCTV's, Travel Time Systems, DMS and toll plaza communications. Electrical distribution systems include UPS systems, step up/down transformers, and various ground and surge suppression designs. Specialized wiring diagrams were developed for each local HUB. Specifications were developed for all equipment.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida's Turnpike Enterprise, Polk County, Florida: Project Manager overseeing the design of a 25 mile Intelligent Transportation System along the Polk Parkway utilizing gigabit Ethernet communications with field installations of CCTV sites, Vehicle Detection Systems, Travel Time Systems, and Highway Advisory Radio (HAR) systems. Data transmission for all field devices was aggregated at a Master Hub site for transmission via a Long Haul Edge Switch back to the Turnpike Enterprise Traffic Management Center on the Mainline Turnpike in Orange County. Work for this project included permitting for the crossing of Railroad Right of Way, County Right of Way, and Navigable Waterways. Work included designing electrical services for all field devices and developing an intricate grounding system for protection from lightning strikes. Detailed specifications were developed for all communications and field devices.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida's Turnpike Enterprise, Various Counties, Florida: Project Manager overseeing the design for the installations of Dynamic Message Signs along the Mainline Turnpike and various major arterial roadways having interchanges with the Mainline Turnpike. Work included the coordination with various agencies such as FDOT Districts and Counties for development of fiber sharing agreements for use in communicating with some of the arterial signs. Wireless communications were also used as another source of communications. Structural designs were prepared for all sign structures both cantilever, mid span truss, full span truss and box trusses. Major emphasis was placed on utility coordination to avoid all utility conflicts. Detailed specifications were developed for all components. Coordination with various other construction projects was performed to ensure the sign structures would not conflict with the proposed construction. Service Plaza Information Systems were also designed as part of this project to disseminate travel information along the Turnpike system to the traveling motorists. This work included the installation of Ethernet switches, terminal servers, video monitors and CCTV's inside each of the service plazas.

SR 417, Contract 417-107, Orlando-Orange County Expressway Authority, Orange County, Florida: Oversaw the ITS design and implementation for the widening of SR 417 to eight lanes from SR 528 to Curry Ford Road. This contract also included the widening of bridges over Lee Vista Boulevard, signing and markings, traffic control, and lighting.

Mainline Turnpike Widening, Florida's Turnpike Enterprise, Orange County, Florida: Engineer of Record for the roadway mainline widening (6 to 8 lanes) and ramp reconstruction project. Project consisted of designing the replacement of the existing Gigabit Ethernet Fiber Optic Communications network and supporting devices (CCTV, VDS, TTS, DMS & AVI Readers), which included both a temporary and permanent network configuration. Project also included the replacement of the existing county fiber network cable and drops for signalization interconnect within the project limits. Technical Specifications were developed for all equipment as required as well as wiring diagrams for each local hub. The DRMP Team provided traffic engineering design and plan production for the ITS, lighting and signing and pavement markings of SR 91 and exit/entrance ramps from Beulah to SR 50.

SR 408 (East-West Expressway), Orlando Orange County Expressway Authority, Project 252B, Orange County, Florida: New SONET Fiber Optic Communications Design for the transmission of data and video images and video control as well as toll collections. Connections to CCTV sites, Data Collection Sites, Dynamic Message Signs and Toll Plaza's. Various modems were analyzed for the SONET hardware installed in the toll plazas used to aggregate data and regenerate signal for transmission to OOCEA Headquarters and Regional Traffic Management Center.

SR 408 (East-West Expressway), Orlando Orange County Expressway Authority, Project 253C, Orange County, Florida: New SONET Fiber Optic Communications Design for the transmission of data and video images and video control as well as toll collections. Connections to CCTV sites, Data Collection Sites, Dynamic Message Signs and Toll Plaza's. SONET hardware installed in the toll plaza's used to aggregate data and regenerate signal for transmission to OOCEA Headquarters and Regional Traffic Management Center. Temporary Communications system designed to provide end to end connectivity to FDOT District 5 MIST system, City of Orlando Regional Communications Signal System and University of Central Florida Communications.

S. Scott Early, PE

Task Manager; Intersection Modifications; Minor Geometric Improvements; ADA Improvements



Years of Experience
17 Total
4 With Firm

Professional Registration
Professional Engineer No.
51914, Florida, 1997

Education
Bachelor's of Science in Civil
Engineering, Auburn
University, 1992

Professional Affiliation
American Society of Civil
Engineers
Florida Engineering Society

Software Aptitude
MicroStation
GEOPAK
HCS
Synchro
ASAD
ICPR

PROFESSIONAL PROFILE

S. Scott Early, PE has over 17 years of experience in the engineering profession. He serves as Office Leader for DRMP's Pensacola office. Mr. Early possesses a wide range of engineering expertise in transportation, drainage and traffic-related projects. He has worked both in the private and public sectors of the industry.

Recently, he served as Design Manager for Escambia County, where he developed a design group to manage the County's in-house engineering requirements for transportation projects. These projects included: roadway widening, traffic engineering design and analysis, drainage design and analysis and developing engineering and CADD standards.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Project Manager for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Assistant Project Manager and lead roadway engineer of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to 1/2 mile north of SR 10 (US 90A/Nine Mile Road). Mr. Early was responsible for roadway and signalization design and for coordinating all other aspects including drainage and structures design. This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Project Manager for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Early managed as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as Project Manager for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox St.), FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** Serving as Project Manager for the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Project Manager for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Project Manager for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

Pine Forest Road and West Roberts Road, Escambia County Engineering, Florida: Project Manager and lead designer for this 1.7 mile milling, resurfacing and drainage project. This project consisted of widening the existing roadway to 24' adding 5' paved shoulders, turn lanes on Pine Forest Road and major drainage improvements to prevent home flooding on West Roberts Road.

10 Mile Road and Highway 95A, Escambia County Engineering, Florida: Project Manager and lead designer for this major intersection improvement. This project included the addition of curb and gutter, closed system drainage and left turn lanes on all four approaches. Additional improvements were made to an existing County stormwater management facility along with a new signal installation at the intersection. Mr. Early also assisted in the right-of-way acquisition for this project.

Marcus Pointe Boulevard and "W" Street, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Marcus Pointe Blvd., the addition of curb and gutter and the modification to existing stormwater structures within the project limits.

West Fairfield Drive and Ruby Avenue, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Ruby Avenue and modifications to the existing signal on Fairfield Drive. This project demanded significant coordination with the Florida Department of Transportation affected utilities companies and a single property owner who donated the right-of-way to help make the project a success.

72nd Avenue and US 98, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project had to be coordinated with ongoing construction activities by the Florida Department of Transportation as part of their efforts to widen US 98 to four lanes. Modifications to the proposed traffic signal along with all work within the FDOT right-of-way had to be coordinated with FDOT and their contractor so as not to delay both projects.

North 9th Avenue and Tippin Avenue, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Tippin Avenue, the addition of curb and gutter and closed system drainage to eliminate known drainage problems within the intersection.

SR 10 (US 90) Over the Choctawhatchee River, FDOT District Three, Holmes and Washington Counties, Florida: Project Engineer responsible for roadway design, drainage design, and plans preparation, Preparation of roadway and traffic control plans for this major bridge crossing.

SR 289, 9th Avenue at Airport Boulevard, FDOT District Three, Escambia County, Florida: Project Engineer, responsible for layout and design of mast arms, full pedestrian features, and signal timings for this major, urban intersection. Also, Mr. Early was responsible for all drainage design elements for the project.

SR 289 (9th Avenue), I-10 to Olive Road, FDOT District Three, Escambia County, Florida: Project Engineer for design and preparation of plans for widening SR 289 from a two-lane undivided to a four-lane divided roadway. Project involved plans for approximately one mile of new four-lane roadway, a closed drainage system and retention pond, and improvements to the Olive Road intersection including signalization. Close coordination was required with a concurrent Olive Road project.

SR 263, Capital Circle, FDOT District Three, Leon County, Florida: Project Engineer, developed detailed traffic analysis and conceptual design plans for mainline and two-way frontage roads. Traffic analysis included traffic flow patterns based on ITE Trip Generation, Passer II Arterial Progression, and HCS Analysis.

US 98 PD&E Study, FDOT District Three, Santa Rosa and Okaloosa Counties, Florida: Project Engineer on a roadway planning and environmental study of a 30-mile corridor in southern Santa Rosa and Okaloosa Counties. Developed conceptual plans for the project which included an urban freeway with frontage roads. Drainage Engineer responsible for determining pond sites throughout the project for stormwater management and treatment. Also, responsible for the layout and design of the closed system drainage facilities.

Scenic Highway and Westinghouse Entrance, Escambia County, Florida: This project consisted of a grant secured by the Chamber of Commerce from the Office of Tourism and Economic Development for the purpose of reducing traffic accidents at the intersection and to increase the width of the intersection for truck traffic into and out of the Westinghouse facility. Mr. Early was responsible for the design to widen the intersection to accommodate a northbound left turn lane and a southbound right turn lane. This project also involved the extension of a large double box culvert and the installation of a new rail crossing and the associated rail signals and gates.

Navarre Beach Multi Use Path, Santa Rosa County Florida: Project manager and lead designer for this three mile, ten foot wide multi use path all along the north side of Navarre Beach Parkway on Santa Rosa Island. This project involved a meandering path with native landscaping and side street signing to help inform both the path users and the motorist. Also, this project had a fixed budget of \$600,000 which Mr. Early was able to meet through proper material type selection for the path.

Edgewater Sidewalks, Escambia County Florida: Project Manager and lead designer for over two miles of sidewalk located in a dense neighborhood and a constrained right-of-way. This project also involved drainage modifications, roadway modifications and safety features such as hand rail and side street signing.

Ben C. Faust, PE

Vice President-In-Charge



Years of Experience

19 Total
10 With Firm

Professional Registration

Professional Engineer No.
52624, Florida, 1999

Education

Bachelor's of Science in Civil
Engineering, University of
Central Florida, 1991

Professional Affiliation

Transportation Committee
Member, FICE, 2010

State Director for Gulf Coast
Chapter, Florida Engineering
Society, 2010

Planning Commission, City
of Lynn Haven, FL

Certification

Work Zone Traffic Control

PROFESSIONAL PROFILE

Ben C. Faust, PE is a Vice President of DRMP and Area Leader for oversight of DRMP's engineering operations in the Florida Panhandle. He serves as the project manager for a range of major and minor projects for state, municipal and private clients. His experience includes all phases of project development from planning and programming, through design and land acquisition to final construction.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Vice President-in-Charge for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Vice President-in-Charge for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Faust provided oversight and allocated resources for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** This project includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** The design of this 0.5 mile project included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** The design of this signalization project includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** The design of this project includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This project includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Continuing General Planning Services for the West Florida Regional Planning Council (WFRPC), Florida: Vice President-in-Charge for General Planning Services for the Florida-Alabama, Okaloosa-Walton and Bay County Transportation Planning Organizations (TPOs). Services under this contract include, TPO administration, unified planning work program, public involvement process, regional coordination, data collection, GIS data analysis, transportation improvement programs, long range transportation plans, transportation system management, freight and goods movement planning, public transportation planning, bicycle/pedestrian systems planning, transportation disadvantaged program, air quality planning, corridor planning and preservation, congestion management process, intelligent transportation system (ITS) planning, and any other services to fulfill the needs of the West Florida Regional Planning Council. DRMP's current tasks under this contact include:

- Regional Freight Network Plan for FL-AL, Okaloosa-Walton & Bay County TPOs
- SR 77 Corridor Management plan
- SR 85 Corridor Management Plan
- Bay County Long Range Transportation Plan
- Bay County Transit Plan Major Update
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- Regional ITS Plan for FL-AL, Okaloosa-Walton & Bay County TPOs
- Engineering Services Support for the Bay County TPO Transit Maintenance & Administration Facility

19th Street Traffic Study, City of Panama City, Bay County, Florida: Project coordinator for the study of two miles of 19th Street in Panama City to determine existing and projected traffic capacity requirements and to prepare design improvement recommendations for roadway and intersections based on results of study.

Districtwide Miscellaneous Land Planning Contract, FDOT District Three: Project Manager for a full-service land planning contract to provide support to the Department's right-of-way appraisal and roadway design efforts. Contract includes land planning analysis, development of parcel cure plans and highest-and-best use scenarios and cost estimates.

SR 77 Land Planning Contract, FDOT District Three, Bay County, Florida: Project Manager for a land planning contract to provide support to the Department's right-of-way appraisal efforts for miscellaneous parcels on the SR 77 project in Bay County. Contract includes land planning analysis, development of parcel cure plans, highest-and-best use scenarios, and cost estimates.

SR 8 (I-10)/SR 95 (US 29) Interchange and SR 8 (I-10) Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Mr. Faust currently serves as Vice President-in-Charge for this PD&E Study Re-evaluation which involves proposed improvements to the existing SR 8 (I-10)/SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to a point just west of the recently improved I-10/I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a Finding of No Significant Impact (FONSI) approved in May 2000.

SR 10 (US 90A/Nine Mile Road), Escambia County Board of County Commissioners, Escambia County, Florida: Mr. Faust currently serves as Vice President-in-Charge for this Re-evaluation which involves proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida. This roadway segment was included in a previous Type 2 Categorical Exclusion for SR 10 (US 90A/Nine Mile Road) from the Alabama State Line to University Parkway and SR 297 (Pine Forest Road) from SR 8 (I-10) to SR 10 (US 90A/Nine Mile Road), approved on May 1992.

Front Beach Road Community Redevelopment Agency, City of Panama City Beach, Florida: Program Manager for a full-service staff extension contract with the City of Panama City Beach. His responsibilities include complete staffing, oversight and administration for the planning, financing, design and construction of \$400M in capital project improvements, including roadway, drainage, utility, streetscaping, parking structures, transit planning and operation, and development and coordination of public/private partnership projects. Also includes the oversight and administration of a significant eminent domain acquisition program. Administration duties include building and maintaining the work program and budget, schedule, and manpower management, funds coordination, and oversight for a full range of consultant service providers.

Group 05-01 Resurfacing Design Contract, FDOT District Three, Washington and Gulf Counties, Florida: Project Manager for two resurfacing projects including milling and resurfacing, adding turn lanes, intersection analysis and pedestrian safety improvements.

Group 03-5 Resurfacing and Minor Design Contract, FDOT District Three, Escambia County, Florida: Project Manager for a group of four projects in the Pensacola area including milling and resurfacing, adding turn lanes, intersection redesign, signalization, drainage improvements, sidewalk and public involvement (\$6M construction cost).

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Vice President-in-Charge for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Vice President-in-Charge for the design of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

SR 442 four-laning design (two sections), FDOT District Five, Volusia County, Florida: Department Project Manager Oversight for the preparation of construction plans for reconstruction of SR 442 from the I-95 interchange to US 1. Work consists of roadway, drainage, traffic, structural design, and all environmental permitting. Project design required close coordination with city personnel and with adjacent residents and businesses.

Allen W. Schruppf, PE

Quality Assurance/Quality Control



Years of Experience

34 Total
17 With Firm

Professional Registration/Certification

Professional Engineer No. 41673, Florida, 1989
Professional Engineer No. 29374, Alabama, 2008
Professional Engineer No. 032366, Georgia, 2007
Professional Engineer No. 27051, New Jersey, 1981
Professional Engineer No. 033463, North Carolina, 2007
Professional Engineer No. 25742, South Carolina, 2007

FDOT Maintenance of Traffic Advanced Certification, Florida, No. ORL-AMOT-23171 (10/12/2012)

Education

Bachelor's of Engineering, Stevens Institute of Technology, 1976

Professional Affiliation

American Society of Civil Engineers
American Society of Highway Engineers
Florida Engineering Society,
Florida Institute of Consulting Engineers, Chair - Specifications Review Subcommittee
Florida Greenbook Committee, Chair - Work Zone Safety Subcommittee

Instructor

Advanced Level - Work Zone Traffic Control

Advanced Level Refresher - Work Zone Traffic Control

PROFESSIONAL PROFILE

Allen W. Schruppf, PE is the Director of Quality Control (QC) for the Transportation Division of DRMP. In that role, he is responsible for developing all project quality control plans, supervising all QC reviews, and preparing QC documentation. He also provides these review services to other consulting firms and public agencies on an independent contract basis.

He has also delivered seminars on the methods to administrate an effective Quality Assurance /Quality Control Program at FDOT Project Management Training and APWA conferences. To date, his review efforts number in excess of 500 different transportation projects in study phase and final design phase, and of all sizes and types.

RELEVANT PROJECT EXPERIENCE

RURAL AND URBAN ARTERIALS (FDOT MAINTAINED)

Mr. Schruppf has provided QC services for more than 250 projects throughout nearly all seven of FDOT Districts involving resurfacing, widening, "transportation enhancements", sidewalk improvements, or reconstruction. Some involved bridge replacements (a few were of considerable length), new structures, pedestrian overpasses, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

MUNICIPAL ROADWAYS

Mr. Schruppf has provided QC services for more than 200 projects throughout all of Florida, involving resurfacing, widening, "transportation enhancements", sidewalk improvements, bridge improvements, drainage system improvements, roadway reconstruction and new roadway alignments. Some also involved bridge replacements, new structures, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

CONSTRUCTABILITY REVIEWS

In particular, Mr. Schruppf provided constructability review services under a Districtwide Contract for FDOT, District Five where he reviewed more than 50 projects (totaling \$750 million in construction) in a one-year period.

FINAL DESIGN

Mr. Schruppf has also been in charge of the preparation of all engineering designs, plans, and specifications for improvements to all types of roadways. He has supervised all aspects of design, as well as permitting documents and Post-Design services during construction.

SR 542 Resurfacing Projects, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

I-4, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

US 301, Manatee County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

SR 82, Charlotte County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction project in the historic downtown area of Fort Myers, including scenic lighting enhancements, as well as extensive utility and drainage systems upgrades to serve this area of the city.

US 41 over the Gordon River, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening project from six-lanes to eight-lanes, bridge replacements, and specialized drainage/utility/lighting improvements.

International Drive Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new six-lane arterial with specialized decorative paving details at intersections. The improvements included extensive provisions for development of the area. Plans included potable water, sanitary and reuse lines, as well as coordination with electric and communications utilities.

Pinebrook Road Extension, Sarasota County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new four-lane arterial provided the neighboring developments more direct access to I-75 since a new interchange was built adjacent to the project. Stormwater management ponds were configured to appear more natural to the area.

Vick Road Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new two-lane arterial, expandable to four-lanes with scenic enhancement elements (decorative brick screen walls and wrought iron fences, as well as extensive landscaping of the medians and roadside areas were part of the improvements).

Rock Springs Road Widening Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from three-lanes to five-lanes, including bicycle path features that will eventually become part of the West Orange Trail that stretches from Winter Garden to northern Apopka.

Mount Dora Alley Reconstruction, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction of an existing urban facility with paving blocks was part of Mount Dora's ongoing program of revitalization of their historic business district.

Immokalee Road Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes, with the capability of expanding to a six-lane facility once warranted due to the rapid development of this section of Collier County.

CR 951 Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes. This involved two projects.

TRAFFIC CONTROL PLANS

In addition to being in complete charge of the projects listed above, Mr. Schrupf has served as the Project Engineer in responsible charge of development of Traffic Control Plans, while allowing the Contractor a means of completing the required improvements. Therefore, he must understand all aspects of the design plans, and their interdependency.

Ivey Lane Widening, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for roadway widening project from two-lanes to four-lanes included the replacement of a large drainage pipe.

Suncoast Parkway - Section 5, Florida's Turnpike Enterprise, Hernando County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

Western Beltway Section 602 and 603, Orange County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

US 192 Widening, Osceola County, Florida: Project Engineer for traffic control plans Widening from four-lanes to six-lanes/realignment.

Seminole County Expressway, Seminole County Expressway Authority, Seminole County, Florida: Project Engineer for traffic control plans of a new expressway with interchanges.

SR 35 Widening, Polk County, Florida: Project Engineer for traffic control plans Widening from three-lanes to five-lanes.

Northern Turnpike Signing Improvements, Florida's Turnpike Enterprise, Osceola, Orange and Lake Counties, Florida: Project Engineer for traffic control plans Replacement of nearly all signing, including several sign structures along about 50 miles of Florida's Turnpike.

Roadway Lighting Replacement on Matthews Bridge over the St. Johns River, Duval County, Florida: Project Engineer for traffic control plans for roadway lighting replacement on Matthews Bridge over the St. Johns River.

Haines Street Expressway Lighting improvements, Duval County, Florida: Project Engineer for traffic control plans for improving lighting along the Haines Street Expressway.

Miscellaneous Minor Design Projects, FDOT District Two, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

Miscellaneous Minor Design Projects, FDOT District Three, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

SR 19 Drainage Improvements, Lake County, Florida: Project Engineer for traffic control plans.

Lake Lorna Doone/Tampa Avenue Drainage Improvements, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for flood relief to improve the existing drainage systems within the vicinity of the project.

Lake of the Woods Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans.

Guernsey Basin Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans for streetscape improvements as well as the addition of traffic calming (roundabout).

CR 540A Widening, Polk County, Florida: Project Engineer for traffic control plans for roadway widening from a two-lane rural roadway to a four-lane urban divided highway.

SR 434 (Alafaya Trail) Widening, Seminole County, Florida: Project Engineer for traffic control plans.

Because of Mr. Schrupf's comprehensive experience in Traffic Control Plans Development, he now serves as a Part-time Instructor in both categories of ongoing technical education:

- Advanced Level - Work Zone Traffic Control
- Advanced Level Refresher - Work Zone Traffic Control

Carlos Martinez, PE

Quality Assurance/Quality Control



Years of Experience

18 Total

18 With Firm

Professional Registration

Professional Engineer No.
51429, Florida, 1997

Professional Engineer No.
35309, North Carolina, 2008

Education

Bachelor of Science, Civil
Engineering, University of
Florida, 1992

Professional Affiliation

American Society of Civil
Engineers

Software Aptitude

MicroStation, V8

GEOPAK, 2004

GuidSIGN

Signal Operations Analysis
Package (SOAP)

PASSER

TRANSYT-7F

PROFESSIONAL PROFILE

Carlos Martinez, PE is a Senior Project Manager in the Traffic Engineering Department. In this role, he is responsible for the preparation of Traffic Engineering Design plans and for developing various types of traffic engineering studies. In addition to his design/production tasks, Mr. Martinez also performs project management tasks and quality assurance/quality control reviews.

Mr. Martinez's experience in traffic engineering design includes: signing and pavement marking, signalization, lighting, and Intelligent Transportation Systems (ITS). The project scope for these types of projects ranges from minor intersection improvements to major roadway construction and limited access facilities. His project experience spans a variety of clients from FDOT Districts One, Two, Three, Five, Seven, Florida's Turnpike Enterprise, Orlando-Orange County Expressway Authority and various counties and cities.

RELEVANT PROJECT EXPERIENCE

SR 434 Design Build, FDOT District Five, Seminole County, Florida: Engineer of record for signalization design with interconnect (three locations) and signing and pavement marking design for roadway reconstruction (4 to 6 lanes) project from Maitland Boulevard to Lotus Landing Boulevard/Trailwood Drive.

SR 78 (Pine Island Road), FDOT District One, Lee County, Florida: Project engineer for signalization design (2 locations) and signing and pavement marking design for a 1.0 mile roadway reconstruction (2 to 6 lanes) project from US 41 to east of Piney Road.

Pinebrook Road, Sarasota County, Florida: Project engineer for signalization design (2 locations) and signing and pavement marking design for a new 1.2 mile, 4-lane roadway from south of Edmondson Road to Laurel Road.

SR 530 (US 192), FDOT District Five, Osceola County, Florida: Engineer of record for signalization design (6 locations) and signing and pavement marking design for roadway reconstruction (4 to 6 lanes) project from east of Captain Kidd Road to east of Reedy Creek.

SR 434, FDOT District Five, Seminole County, Florida: Engineer of record for signalization design with interconnect (5 locations) and signing and pavement marking design for roadway reconstruction (2 to 6 lanes) project from McCulloch Road to Mitchell Hammock Road.

SR 520, FDOT District Five, Brevard County, Florida: Engineer of record for signing and pavement marking design for a 2.8 mile roadway reconstruction (2 to 4 lanes) project from west of the Orange County Line to west of SR 524.

Lakeland In-Town Bypass, City of Lakeland JPA with FDOT District One, Polk County, Florida: Engineer of record for signalization design with interconnect (5 locations) and signing and pavement marking design for a new 1.1 mile, 4-lane urban roadway from George Jenkins Boulevard to SR 35 (North Florida Avenue).

Waring Road, City of Lakeland, Polk County, Florida: Engineer of record for signalization design and signing and pavement marking design for the extension of a 2-lane roadway (0.7 miles) from West Pipkin Road to north of Medulla Road.

Maitland Boulevard Off-Ramp, City of Maitland, Orange County, Florida: Engineer of record for signalization design and signing and pavement marking design for improvements at the Maitland Boulevard interchange with US 17/92. The signalization design was for the intersection of US 17-92 and Mayo Avenue/new off-ramp.

SR 500, FDOT District Five, Lake County, Florida: Engineer of record for signalization design with interconnect (5 locations) and signing and pavement marking design for roadway widening (4 to 6 lanes) project from M.L. King Boulevard to Lake Ella Road.

Osceola Parkway, Phase I, Osceola County, Florida: Engineer of record for signalization design (3 locations) with interconnect and signing and pavement marking design for a 1.2 mile roadway reconstruction (4 to 6 lanes) project from just east of the Turnpike to Buenaventura Boulevard.

Osceola Parkway, Phase II, Osceola County, Florida: Engineer of record for signalization design (2 locations) with interconnect and signing and pavement marking design for a 2.2 mile roadway reconstruction (2 to 4 lanes) project from just east of Buenaventura Boulevard to east of Boggy Creek Road.

City of Fort Myers Downtown Streetscape and Utilities Project, Lee County, Florida: Senior Traffic Engineer responsible for preparation of traffic signalization plans which provided context sensitive solutions to meet the Downtown Fort Myers Streetscape theme yet complied with all current MUTCD and FDOT requirements. Designs included the reconstruction of three signalized intersections under FDOT jurisdiction and several intersections under the City of Fort Myers jurisdiction. All proposed signalization equipment, structures, operations, and aesthetics matched to meet the overall downtown streetscape aesthetics theme. Signalization interconnect designs were also accommodated in order to maintain the synchronization of the intersection operations and maintain progression of the motorists through the Downtown Roadway Network.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida’s Turnpike Enterprise, Various Counties, Florida: Engineer of record for the ITS design of supplemental fiber optic network (FON), which consists of 1-¼” conduits, single-mode fiber optic cable connection to the backbone fiber optic system for each DMS location, multiple DMS locations, Gigabit Ethernet (Gig E) and wireless Ethernet radio communication systems. DMS application type and quantities included 10 mainline DMS, 15 mainline toll plaza DMS, and 11 arterial DMS.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida’s Turnpike Enterprise, Polk County, Florida: Engineer of record for the ITS design of a new fiber optic network (FON), which consists of 1 ¼” conduit, fiber optic splice vaults, single-mode fiber optic cable, ITS device power, and new layer 2 Gigabit Ethernet (Gig E) communication system. The communication system will provide electronic data transmission of 25 closed-circuit television (CCTV) cameras, 100 vehicle detection stations (VDS), four mainline dynamic message signs (DMS), and 2 highway advisory radios (HAR) for a 24.4 mile limited access roadway.

SR 528 (Beachline Expressway)/SR 436 Interchange Improvements Design Build, Contract 528-300, Orlando-Orange County Expressway Authority, Orange County, Florida: Engineer of Record for the ITS design for a new fiber optic network (FON) system and relocation of existing data collection sensors (DCS). The new FON system includes a new OOCEA 8-1” high density polyethylene (HDPE) conduit backbone system with a connection to the relocated DCS and new 2-1” HDPE conduit feeder system for connection to an existing FDOT District Five automated vehicle identification (AVI) reader.

CR 532/Interstate 4 Interchange Project Development and Environment (PD&E) Study, Osceola County, Florida: Project engineer who assisted with the capacity analysis of interchange ramps as part of Interchange Modification Report (IMR).

SR 520 at Tucker Lane, FDOT District Five, Brevard County, Florida: Engineer of record for qualitative assessment of intersection operations. Recommendations for improvement were developed based on field observations, traffic counts, and crash data.

SR 50 at Sherman Street, FDOT District Five, Orange County, Florida: Engineer of record for qualitative assessment of intersection operations. Recommendations for improvement were developed based on field observations, traffic counts, and crash data. A Concept Report was developed for the design/construction of the recommendations which included a cost estimate.

SR 40 at SE 169th Terrace Road, FDOT District Five, Marion County, Florida: Engineer of record for qualitative assessment of intersection operations. Recommendations for improvement were developed based on field observations, traffic counts, and crash data.

Mainline Turnpike Widening, Florida’s Turnpike Enterprise, Orange County, Florida: Engineer of Record for signing and pavement marking design and signalization design (two locations) for a 4.7 mile roadway widening/reconstruction (four to eight-lanes) project from north of Beulah Road to north of SR 50.

SR 589 (Veteran’s Expressway), Florida’s Turnpike Enterprise, Hillsborough County, Florida: Engineer of Record for signalization design at Hillsborough Avenue interchange (2 locations) and signing and pavement marking design for a 1.77 mile limited access roadway widening/reconstruction (4 to 8 lanes) project from Memorial Highway to Johns Road.

SR 417 (GreeneWay), Contract 417-107, Orlando-Orange County Expressway Authority, Orange County, Florida: Engineer of Record for signing and pavement marking design and Intelligent Transportation System (ITS) design for a 3.8 mile roadway widening/reconstruction (4 to 6 lanes) project from SR 528 (Beachline) to Curry Ford Road.

SR 589 (Suncoast Parkway 2), Florida’s Turnpike Enterprise, Hernando and Citrus Counties, Florida: Engineer of Record for signalization design at US 98 interchange (2 locations) and signing and pavement marking design for a new 8.9 mile, 4-lane, limited access roadway from south of US 98 to north of Cardinal Street.

SR 589 (Suncoast Parkway - Section 5), Florida’s Turnpike Enterprise, Hernando County, Florida: Engineer of Record for signalization design at Spring Hill Road and SR 50 (4 locations) and signing and pavement marking design for a new 7.5 mile, 4-lane, limited access roadway from north of County Line Road to north of SR 50.

SR 417 (GreeneWay), Seminole County Expressway - Project 2, Section 2, Florida’s Turnpike Enterprise, Seminole County, Florida: Engineer of record for signalization design at CR 46A (2 locations) and signing and pavement marking design for a new 3.0 mile, 4-lane, limited access roadway.

Juan P. Camacho, PE

Intersection Modifications; Minor Geometric Improvements; ADA Improvements; ITS



Years of Experience

12 Total
7 With Firm

Professional Registration

Professional Engineer
60031, Florida, 2003
Professional Engineer No.
36459, North Carolina, 2010
Professional Engineer,
31622, Georgia, 2006

Education

Bachelor's of Science in Civil
Engineering, University of
Central Florida, 1998

Professional Affiliation

American Society of Civil
Engineers

Software Aptitude

MicroStation
AutoCAD
Synchro
AGI
Aladan

PROFESSIONAL PROFILE

Juan P. Camacho, PE is the Office Leader of DRMP's southeast Florida office. He is responsible for managing transportation/traffic engineering projects out of that office including traffic engineering studies, signalization plans, signing and pavement marking plans, ITS, lighting plans, traffic control plans and minor roadway widening projects.

Mr. Camacho has extensive experience in traffic engineering studies contracts and traffic plans design. He has been involved in over 100 task work orders in both studies and design contracts. His experience in traffic engineering studies includes intersection and corridor operations assessments, signal warrant studies, and qualitative assessments.

Mr. Camacho also has experience in minor roadway widening projects in which he managed and was the engineer of record. These projects included turn lane additions, widening/extensions and other capacity improvements. Mr. Camacho has experience in larger roadway widening and realignment projects for both rural and urban roadways in which he was the project engineer and managed all facets of the widening/realignment project including bid construction document preparation.

RELEVANT PROJECT EXPERIENCE

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Lighting Engineer of Record for high mast lighting components for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Projects are developed in response to traffic safety issues, public concerns and local agency requests. Representative projects include:

- **SR 8 (I-10) at CR 191, FDOT District Three, Santa Rosa County, Florida:** Lighting Engineer of Record for highmast lighting project at the interchange of SR 8 (I-10) at CR 191. Project included preparation of a Design Analysis Report comparing several lighting options at the interchange. Design completed in February 2009 and construction is to begin this year.
- **SR 8 (I-10) at CR 89, FDOT District Three, Santa Rosa County, Florida:** Lighting Engineer of Record for highmast lighting project at the interchange of SR 8 (I-10) at CR 89. Project included preparation of a Design Analysis Report comparing several lighting options at the interchange.

SR 95 from I-10 to Nine-Mile Road, District Three, Escambia County, Florida: Engineer of Record for the lighting component of the SR 95 project.

SR 111 (Edgewood Avenue) Intersection Reconstruction, FDOT District Two, Duval County, Florida: Signalization Engineer of Record to upgrade seven intersections to mast arms with fiber optic interconnect along a two mile segment of roadway. Designs included developing specifications for fiber optic communications equipment, extensive utility coordination and permitting for a CSX crossing.

SR 152 (Baymeadows Road) Intersection Reconstruction, FDOT District Two, Duval County, Florida: Signalization Engineer of Record to upgrade three intersections to mast arms with fiber optic interconnect. Designs included developing specifications for fiber optic communications equipment and extensive utility coordination.

Districtwide Traffic Operations Push Button Contracts, FDOT District Four, Florida: Assistant Project Manager for this contract with over 50 task work orders which included projects consisting of providing miscellaneous traffic operations design services throughout District Four. The projects include: resurfacing, turn-lane additions, median modifications, signal modifications, pedestrian feature upgrades, safety upgrades and all related components required. Projects are developed in response to traffic safety issues, public concerns and local agency requests. Representative projects include:

- **SR 811 Signals (Broward County)** - Engineer of Record for the installation of a mast arm signal at SR 811 and NE 9th Avenue and for installation of mast arm signal for mid-block crossing south of NE 20th Avenue. Plans included utility coordination, interconnect plans, and roadway plans for installation of new pedestrian ramps.
- **SR A1A at Cordova (Broward County)** - Engineer of Record for the extension of an existing westbound left turn lane on SR A1A at Cordova Road. Plans included roadway, signing and marking and utility coordination plans.

- **SR 80 at SR 7 (US 441) (Palm Beach County)** - Engineer of Record for the installation of a Texas U-Turn lane for eastbound SR 80 off ramp at SR 7. Plans included roadway, signing and marking and utility coordination plans.
- **SR 715 at PBCC Entrance (Palm Beach County)** - Engineer of Record for the installation of a new strain pole signal at the intersection of SR 715 and PBCC Entrance. Plans included signalization, roadway and signing and marking plans.
- **SR 9 (I-95) at St. Lucie Boulevard (St. Lucie County)** - Prepared temporary signal design plans to signalize the northbound off ramp at the I-95 at St. Lucie Boulevard off ramp. Mr. Camacho was the EOR for this project.
- **SR 5 at Prima Vista Boulevard (St. Lucie County)** - Signalization project to modify existing signal and add pedestrian crossing across south leg of the intersection. Mr. Camacho was the EOR for this project.
- **SR 713 at CR 608 (St. Lucie County)** - Modification of flashing signal to a full color operations signal. Plans included addition of video detection and a traffic controller cabinet. Mr. Camacho was the EOR for this project.
- **SR A1A at Harbour Drive (Indian River County)** - Engineer of Record for project which consisted of roadway plans including typical section and pavement design packages for the addition of a southbound right turn lane on SR A1A. Plans included drainage design and signing and pavement markings.
- **SR 25 (US 27) DCS Project (Broward County)** - Engineer of Record for the signal modifications along SR 25 which included a Detection Control System at three intersection within the corridor. Improvements also included upgrading one intersection to video detection.
- **SR 7 at Fairgrounds Road (Palm Beach County)** - Engineer of Record for left turn lane addition along SR 7 in Palm Beach County. Plans included typical section, pavement design, signing and marking and TMS site revisions.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida's Turnpike Enterprise, Polk County, Florida: Lead Designer for the design of a 25 mile Intelligent Transportation System along the Polk Parkway utilizing gigabit Ethernet communications with field installations of CCTV sites, Vehicle Detection Systems, Travel Time Systems, and Highway Advisory Radio (HAR) systems. Data transmission for all field devices was aggregated at a Master Hub site for transmission via a Long Haul Edge Switch back to the Turnpike Enterprise Traffic Management Center on the Mainline Turnpike in Orange County. Work for this project included permitting for the crossing of Railroad Right of Way, County Right of Way, and Navigable Waterways. Work included designing electrical services for all field devices and developing an intricate grounding system for protection from lightning strikes. Detailed specifications were developed for all communications and field devices.

SunNav Dynamic Message Signing Contract, Turnpike Enterprise, Various Counties, Florida: Lead Designer for the design for the installations of Dynamic Message Signs along the Mainline Turnpike and various major arterial roadways having interchanges with the Mainline Turnpike. Work included the coordination with various agencies such as FDOT Districts and Counties for development of fiber sharing agreements for use in communicating with some of the arterial signs. Wireless communications were also used as another source of communications. Major emphasis was placed on utility coordination to avoid all utility conflicts. Detailed specifications were developed for all components. Coordination with various other construction projects was performed to ensure the sign structures would not conflict with the proposed construction. Also was Engineer of Record for three revisions for the addition of Dynamic Message Signs at Mile Posts 90.2, 48.2 and at 65.

SR 528 Beachline Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Engineer responsible for lighting design and the design of a gigabit Ethernet fiber optic communications system which included the installation of various field devices including CCTV's, DMS signs, Data Collection Sensors and termination in the communications rack at the mainline toll plaza. Design work included detailed electrical designs including UPS systems for each field device, development of specifications and a temporary communications system to maintain communications during construction.

Mainline Turnpike Widening, Florida's Turnpike Enterprise, Lake County, Florida: Lighting engineer of record for four miles of SR 91 widening project from Beulah to SR 50, which includes several bridges, and interchange at SR 50. Lighting design includes lighting of overhead signs, underdeck lighting and power service coordination. As part of the lighting plans development, DRMP provided a lighting design analysis report which analyzed three different alternatives, fixtures and spacing, in order to determine the best layout for the project. DRMP utilized Mongoose luminaires on 40' poles mounted in the median barrier wall throughout the limits of the corridor. Voltage drops were provided along with service point details. He also served as Lead Designer for ITS system in conjunction with roadway mainline widening (4 to 8 lanes) and ramp reconstruction project. Project consisted of designing the replacement of the existing Gigabit Ethernet Fiber Optic Communications network and supporting devices (CCTV, VDS, TTS, DMS & AVI Readers), which included both a temporary and permanent network configuration. Project also included the replacement of the existing county fiber network cable and drops for signalization interconnect within the project limits. Technical Specifications were developed for all equipment as required as well as wiring diagrams for each local hub. Mr. Camacho provided traffic engineering design and plan production for the ITS and Signalization plans of SR 91 and exit/entrance ramps to SR 50.

SR 5 from Edwards Road to Taylor Creek, FDOT District Four, St. Lucie County, Florida: Engineer of record for traffic engineering portion of FDOT RRR project. Traffic plans included signing and marking plans and signalization plans. Signals included the reconstruction of two signalized intersections to mast arms, addition of video detection to ten other intersections throughout the corridor and addition of interconnect plans.

Orange County Lighting, Orange County Public Works Department, Orange County, Florida: Project Manager for County Wide Lighting Program. Reviewed and designed lighting photometric designs and lighting plans. This project is currently ongoing and a majority of it has been constructed.

Jim L. Hagon, PE

Intersection Modifications; ADA Improvements



Years of Experience

14 Total
4 With Firm

Professional Registration

Professional Engineer
No. 63848, Florida, 2005
Professional Engineer No.
29023- E, Alabama, 2007
Professional Engineer No.
32455, Georgia, 2007
Professional Engineer No.
18378, Mississippi, 2008

Education

Bachelor's of Science in Civil
Engineering, Michigan State
University, 2000

Professional Affiliation

Co-Chair of Scholarship
Committee, Florida
Engineering Society, 2010
National Society of
Professional Engineers
Pensacola Young
Professionals

Certifications

Advanced Maintenance of
Traffic, FDOT expires
5/4/2014
FDOT 2010 PD&E Training
FDOT Specifications Trained
Public Involvement in PD&E

PROFESSIONAL PROFILE

Jim L. Hagon, PE serves as a Senior Project Engineer for DRMP's Pensacola office. He acts as a Project Manager, Assistant Project Manager and Project Engineer on a variety of projects and has 14 years of experience. He is responsible for managing projects throughout the planning and design phases.

Other projects Mr. Hagon has worked on have included experience with roadway multi-lane widening, corridor planning and Community Redevelopment Agencies. He is experienced in working on Project Development and Environmental (PD&E) documents. He researched and wrote several documents including a Preliminary Engineering Report, a Contamination Screening Report and several Public Involvement Reports. He has several years of construction engineering inspection experience and has assisted in both geotechnical drilling operations and basic survey tasks.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Senior Project Engineer for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

SR 369 (Crawfordville Highway), FDOT District Three, Leon County, Florida: Engineer for SR 369 (Crawfordville Highway) from L.L. Wallace Road to State Road 61 (US 319) Segment 1. This project consisted of widening 1.7 miles of two-lane roadway to four-lane roadway. Assisted Project Manager with final signed and sealed submittal. Ensured complete design document. Addressed Florida Department of Transportation geometric comments. Finalized project limits. Performed Pre-QC plan review prior to internal QC process.

District Wide Miscellaneous Safety Contract, FDOT District Three: Assistant Project Manager for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Hagon managed as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as a Assistant Project Manager for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Serving as Assistant Project Manager for the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Assistant Project Manager for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** Serving as Assistant Project Manager for this project which includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

SR 10 over Yellow River Bridge Replacement, Okaloosa County, Florida: Serving as the Roadway Senior Project Engineer in the design of this bridge replacement project from west of the existing

Yellow River bridge to Antioch Road. Major work for this project includes the replacement of the structurally deficient bridge currently over Yellow River. Additional work includes reconstructing the approaches, as well as improving drainage, upgrading guardrail, and coordinating potential utility conflicts.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Senior Project Engineer for the design of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Assistant Project Manager and Project Engineer for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

SR 500 (US 27/441), FDOT District Five, Lake County, Florida: Senior Project Engineer for this 3.5 mile, four-lane to six-lane widening project from south of CR 460 to north of Lake Ella Road. Principal tasks included quantity computation and preparation of quantity computation book. Project included roadway widening, milling and resurfacing, bike lane addition, and drainage structures.

SR 75 (US 231), FDOT District Three, Jackson County, Florida: Senior Project Engineer in this 3.4 mile 3R project from SR 73 to north of Jacobs Rd. Responsibilities included assisting in utility coordination and bid documents. Project included milling and resurfacing, construction of left turn lanes, and addition of bike lanes.

SR 61/SR 369 (Crawfordville Highway), FDOT District Three, Wakulla County, Florida: Project Engineer for Crawfordville Highway (SR 61/SR 369) from Lower Bridge Road to East Ivan Road through Crawfordville, Florida. This five mile urban multi-lane design project consists of widening existing two lanes to four lanes through a downtown area with limited right-of-way. Completed estimates and computation book using spreadsheets and Adobe Acrobat. Used FDOT's web-based TRANSPORT to enter quantities. Created Summary of Quantity sheets. Drafted horizontal features, curb ramps, driveways, and medians following FDOT Standards. Inventoried existing signs and developed a pavement marking and signing plan set. Used GuidSign software to create unique destination signs. Identified community services and 4(f) properties and minimized impacts. Corresponded with FDOT Right-of-Way specialist for funding Right-of-Way cost. Coordinated and interpreted wetland delineated areas, endangered species and karst features with biological sub-consultants. Ensured sub-consultants perform Electronic Signing and Sealing. Completed draft final design document for submittal. Performed pre-QC plan review prior to internal QC process. Assisted Project Manager with meeting deadline and delivery.

SR 85, FDOT District Three, Okaloosa County, Florida: Engineer for SR 85 (Ferdon Boulevard) from North of I-10 to South of Brock Avenue. This 1.6 mile resurfacing project is located in the City of Crestview. Coordinated and performed several field visits to gather design data. Confirmed ADA compliance for driveways, cross streets and sidewalks. Verified sign locations and recorded age.

SR 87 (Segment 3), FDOT District Three, Santa Rosa County, Florida: Project Engineer for SR 87 (Segment 3) from North of Five Forks Road to Eglin Air Force base boundary. This 3.0 mile project consists of widening the existing two-lane roadway into a four-lane highway. Assisted Project Manager with submittal coordination. Completed final design document for submittal. Evaluated guardrail need and use. Addressed plan and guardrail comments from Florida Department of Transportation. Conducted field review. Reviewed plans prior to QC Review by internal QC Department.

Gulf Beach Highway Sidewalk Improvements, Escambia County, Florida: Serving as Assistant Project Manager in the design of 5.0 miles of sidewalk along both sides of Gulf Beach Highway from Blue Angel Parkway to Perdido Key Drive. Major work for this project includes the coordination with the County staff to minimize right of way acquisition while maintaining a cost effective pedestrian walkway. Identified three segments to be constructed in phases to get the project built. Offered alternative bid for asphalt path to minimize cost to the Client.

Escambia County Roadway Assessment, Escambia County, Florida: Project Engineer for Escambia County Roadway Assessment post Hurricane Ivan. Evaluated 290 miles of County roadways to determine damage caused by Hurricane Ivan or to the increased truck traffic since the hurricane. Determined FEMA reimbursement or Federal Highway Administration eligibility. Exported roadway data collected in handheld GPS units and quantified distresses. Created reports and estimates for design fees and construction costs. Provided digital photos of distresses and recommended priorities. Reviewed pre-Hurricane Ivan traffic data, inspection data and history of roadway paving. Obtained FEMA reimbursement for Escambia County.

Pensacola Community Redevelopment Agency (CRA), Escambia County, Florida: Project Engineer for City of Pensacola Community Redevelopment Agency (CRA) construction projects. Documented contractor's progress with digital photos and daily reports at Palafox Pier Marina reconstruction and Bayfront Auditorium demolition. Worked closely with City of Pensacola CRA Director, Developer, Contractors, Project Manager and others. Ensured docks, a utility building, fuel dispensing devices, plumbing, electrical and other mechanical services were installed per plans and specifications. Coordinated concrete debris recycling with Bayfront Auditorium Demolition Contractor, County Marine Services Division and Project Manager to create an artificial fishing reef in Gulf of Mexico.



Travis N. Shannon, EI

Traffic Calming Criteria & Measures; Minor Geometric Improvements; Signing & Pavement Marking Plans; Drainage/Stormwater

Years of Experience

4.5 Total

4.5 With Firm

Professional Registration/Certification
Engineer Intern No.
1100012073, Florida, 2007

Education
Bachelor's of Science in Civil Engineering, Florida State University, 2007

Software Aptitude

AutoCADD

MicroStation

Geopak

Geopak Drainage

ASAD

ADICPR

HEC-RAS

HY-8

Modret

ArcMap GIS

Microsoft Project

PROFESSIONAL PROFILE

Travis N. Shannon, EI is currently a project engineer for drainage and stormwater projects in the Tallahassee office. He is experienced with roadway construction, widening, drainage improvements, and quantity computation books. His duties include analysis and design as well as plans production. Before getting his degree, Travis worked as an engineering technician in DRMP's Panama City office. Upon graduation, he moved to the Orlando DRMP office where he participated in the PE training program. He worked in the water resources and transportation departments for approximately one year before moving to Tallahassee.

RELEVANT PROJECT EXPERIENCE

Capital Circle SE, Blueprint 2000, Leon County, Florida: This 3.1 mile, design build, roadway widening project included the expansion of a rural two lane road to an urban six lane section with curb and gutter and sidewalks. Responsibilities included stormwater management facility and secondary collection system design, plans production, shop drawings reviews, and extensive coordination and field visits with the contractor. This project is expected to be complete mid-2010.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Served as Drainage Project Engineer responsible for the Pond Siting Report, design of onsite and offsite collections systems, design of the stormwater management facilities, hydraulics report and calculations, and all necessary drainage construction plans per FDOT requirements. The project design consisted of a 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor.

District Wide Miscellaneous Safety Contract, FDOT District Three: Served as Drainage Project Engineer for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Shannon provided drainage support services for as many as eight assignments at any one time for this important safety contract.

- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** This 0.5 mile roadway project included the addition of east and westbound left turn lanes along SR 267. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 292. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 173. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 30A at Lyndell Lane, FDOT District Three, Bay County, Florida:** This roadway project included the addition of a right turn lane along SR 30A onto Lyndell Lane. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.

SR 10 (US 90A/Nine Mile Road) PD&E Study, Escambia County, Florida: Serving as the Drainage Project Engineer for this Re-evaluation which involves proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida. This roadway segment was included in a previous Type 2 Categorical Exclusion for SR 10 (US 90A/Nine Mile Road) from the Alabama State Line to University Parkway and SR 297 (Pine Forest Road) from SR 8 (I-10) to SR 10 (US 90A/Nine Mile Road), approved on May 1992. This Re-evaluation began in November 2009 and is expected to be completed in early 2011. Responsibilities include the preparation of a Pond Siting Report and participation in public involvement meetings.

I-10/US 29 Interchange and I-10 Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Serving as the Drainage Project Engineer for this PD&E Study Re-evaluation which involves proposed improvements to the existing SR 8 (I-10)/SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to a point just west of the recently improved I-10/I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a finding of No Significant Impact (FONSI) approved in May 2000. This Re-evaluation began in June 2009 and is expected to be completed by the end of 2010. Responsibilities include the preparation of a pond siting report and participation in public involvement meetings.

SR 10 (US 90) over Yellow River Bridge Replacement, FDOT District Three, Okaloosa County, Florida: Served as Drainage Project Engineer for the 1617-foot long bridge replacement project. This project includes short spans to accommodate difficult construction access. Project challenges include scour, constructability issues with shallow water depths, environmental constraints and existing remnant pile removal. Existing concrete bridge was reused as an artificial reef. Responsibilities included preparation of Bridge Hydraulics Report, No-Rise Engineering Certification, drainage report and construction plans.

Lake Underhill Road RCA, City of Orlando, Orange County, Florida: This Roadway Corridor Analysis included preliminary engineering design for upgrading approximately 3.9 miles of Lake Underhill Road from a two lane to a four lane section. Responsibilities included the proposed stormwater pond analysis and design as well as providing solutions and calculations for enclosing approximately 1.5 miles of the Rio Pinar Canal with dual concrete box culverts ranging in size from 6'x6' to 10'x7'. Extensive modeling (AdICPR) was required analyze these impacts to surrounding areas as well as the Little Econlockhatchee River.

Osceola Parkway Phase II, Osceola County, Florida: Served as Drainage Project Engineer for the proposed improvements to Osceola Parkway included expanding the existing two-lane roadway to a four-lane typical section with the planned future expansion to a six lane section. This project is located south of Orlando, just east of I-4. Specifically, responsible for designing the collection systems, providing drainage calculations for the Hydraulics Report, and for producing the drainage construction plans associated with these tasks.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise Hernando and Citrus Counties, Florida: Performed drainage calculations for the preliminary roadway criteria of the predevelopment conditions and later designed and produced the construction plans for the access roads for the proposed interchange with Cardinal Road. Suncoast Parkway is a newly proposed four lane, limited access roadway facility on the west coast of Florida above Tampa.

Ebinport Road Widening, York County, South Carolina: Serving as Drainage Engineer for a two-mile roadway widening project on Ebinport Road from Cherry Road to India Hook Road in Rock Hill. Responsibility included designing the secondary collection system and the erosion control measures.

Finding of Necessity Report, City of Parker, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Finding of Necessity Report, City of Cedar Grove, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Richard F. Ranck, PE

Signal Warrant Study; Multi-Way Stop Warrant Study; Traffic Modeling



Years of Experience

24 Total
6 With Firm

**Professional
Registration/Certification**
Professional Engineer
No. 45978, Florida, 1992

Education
Bachelor's of Science in Civil
Engineering, University of
Pittsburgh, 1986

Professional Affiliation
Institute of Transportation
Engineers
American Society of Civil
Engineers
Tampa Bay Applications
Group

PROFESSIONAL PROFILE

Richard F. Ranck, PE is a Senior Project Manager of DRMP and is currently responsible for traffic operations and transportation planning assignments for both public and private clients, including traffic signalization, traffic impact studies, traffic operations and safety studies, signal system retimings, concurrency determination and review, full scale DRI development and review, corridor studies, arterial investment studies, public involvement tasks, statistics, plans reviews and signal warrant studies.

He is proficient in many traffic and planning applications, including, but not limited to Synchro, FSUTMS, Cube, TransCAD, ARTPLAN, TURNS 5, HCS+ and MicroStation. He also has extensive managerial experience, having opened and managed a satellite office in Tampa for a regional transportation engineering firm as well as having been the supervisor of the traffic engineering division of another.

RELEVANT PROJECT EXPERIENCE

North South Corridor Project, City of Panama City, Bay County, Florida: Project Engineer for the determination of a candidate corridor within the City that could be enhanced by improving this corridor's vehicular and non-vehicular capacity, traffic circulation and safety. This need for enhancement stems from the planned redevelopment of the municipal airport into a multiuse development. Tasks included transportation modeling, travel demand forecasts, preliminary engineering and environmental assessments of 16 candidate corridors within the defined study area.

Tapestry Park Phase III Traffic Impact and Signal Warrant Analysis, Tanney Design, Bay County, Florida: Florida Engineer of record on planned expansion of this mixed use development consisting of housing, shopping, office and restaurants. Tasks included data collection, existing conditions analysis, project traffic generation distribution and assignment, and future capacity analysis and signal warrants.

General Planning Services Contract, Central Florida Regional Planning Council: Project Manager for various on-call services to the Regional Planning Council, including review of transportation issues related to DRI's. These include, the Grove DRI, Eagle Ridge Mall NOPC, Hatchineha Lakes DRI, and Payne Creek DRI. Budget for each assignment is defined by the task assignment itself.

North Mainland Transportation Study, Brevard County, Florida: Project Manager in charge of the determination of short and long term transportation needs in North Brevard County. Tasks include data collection, arterial and intersection level of service analysis, preliminary cost estimates for transportation improvements, identifying possible funding sources, and providing a schedule for improvements.

Saint Johns Heritage Parkway Design Traffic Report, Brevard County, Florida: Project Manager in charge of the determination of projected travel demand on the proposed St. Johns Heritage Parkway in Brevard County. Tasks include FSUTMS model projections, and level of service analysis.

Lee County/Collier County Long Range Transportation Plan (LRTP), Lee and Collier Counties, Florida: Assistant project manager and Quality Control officer for this bi-County 2035 update to the LRTP. Tasks include public involvement, preparation of Goals, Objectives, and Policies, development of Congestion Management strategies, multi-modal transportation system analyses, needs plan and cost affordable transportation plan development.

CR 951 PD&E Design Traffic, Lee County DOT, Collier and Lee Counties Florida: Project Engineer responsible for the development of the design traffic analysis for the CR 951 PD&E. This proposed corridor is approximately 18 miles long, and stretches across both Lee and Collier Counties. Extensive coordination between both agencies, as well as public involvement tasks, are key elements as well.

Del Prado Extension Corridor Study, Lee County DOT (subs to Inwood), Lee County, Florida: Project Manager for DRMP responsible for the development of the design traffic and engineering analysis for the proposed extension of Del Prado Boulevard. This proposed corridor is approximately 9 miles long, from US 41 to SR 31. Tasks included transportation modeling, travel demand forecasts, preliminary engineering and environmental assessments of candidate corridors within the defined study area.

Barnes Boulevard Concurrency and Traffic Analysis, Brevard County, Florida: Project Manager responsible for the determination of the service volume of Barnes Boulevard from a transportation concurrency perspective. Tasks also included a review of the City's and County's concurrency ordinances, recommendations for revisions, and recommendations for short term improvements along the study corridor.

North South Corridor Project, Collier County, Florida: Assistant Project Manager for the determination of a candidate north-south corridor in Collier County east of CR 951. This proposed corridor is approximately 16 miles long, from US 41 to Golden Gate Parkway. Tasks included transportation modeling, travel demand forecasts, engineering and environmental assessments of candidate corridors within the defined study area.

SR 60 and Damascus Road Signalization, City of Clearwater, Pinellas County, Florida: Project Manager and Engineer of Record for traffic signalization, lighting, and fiber optic communications plan.

Florida Hospital Neighborhood Traffic Impact and Parking Study, Orange County, Florida: Project Manager in charge of the determination of the traffic impacts of the Orlando Campus of the Florida Hospital on the surrounding neighborhoods. Tasks included data collection, parking lot license plate surveys and analysis, origin-destination analysis, and an assessment of the effectiveness of the traffic calming devices employed throughout the neighborhood.

Various Transportation Concurrency Reports, Townsend and Associates, Manatee County, Florida: Engineer of record on over 10 transportation concurrency reports within the County. Budget for each report is defined by the scope. Scope items generally include data collection, trip generation, distribution and assignment, capacity analyses, concurrency determination, and queue length analysis.

Signal Retiming, City of Lakeland, Polk County, Florida: Project Engineer for evaluation, implementation and fine-tuning of 30 intersections within the Lakeland downtown grid. Tasks included conducting before and after runs to determine the effectiveness of the retiming plan, SYNCHRO analyses and field adjustments of the timings and offsets.

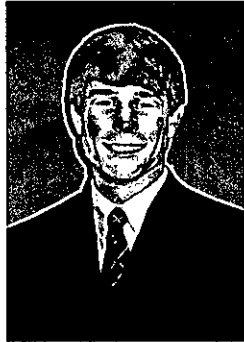
Signal Retiming, FDOT District One, Polk County, Florida: Project Engineer for evaluation, implementation and fine-tuning of 23 intersections within 6 corridors in the City of Winter Haven. Tasks included conducting before and after runs to determine the effectiveness of the retiming plan, SYNCHRO analyses and field adjustments of the timings and offsets.

Districtwide Traffic Operations, FDOT District Seven, Florida: Co-project Manager responsible for the day to day operations of the project. Also responsible for all traffic and signal warrant studies from start to finish.

Districtwide Safety Studies, FDOT, District Seven, Florida: Co-Project Manager responsible for the analysis of high collision intersections and corridors with development of recommendations for improvements. Tasks included data collection and evaluation, signal warrant studies, level of service analysis, collision analysis, intersection analysis and design.

Chad M. Friday, EI

Minor Geometric Improvements



Years of Experience

4.5 Total

4.5 With Firm

Professional Registration
Engineering Intern
No. 14399, Alabama, 2006

Education
Bachelor's of Science in Civil
Engineering, Auburn
University, 2006

Software Aptitude
MicroStation, Versions 8 &
XM

Bentley GEOPAK, 2004 and
2008

FDOT Crash Analysis
Reporting System (CAR)

FDOT Crash Reduction
Analysis System Hub
(CRASH)

PROFESSIONAL PROFILE

Chad M. Friday, EI serves as a Project Engineer for DRMP's Pensacola office. He is experienced with roadway reconstruction, widening, milling and resurfacing, drainage, signing and pavement markings, signalization and quantity computation books. Prior to graduation, Mr. Friday worked for a pre-cast structural engineering firm. Here, his responsibilities included casting concrete for pre-cast bridges and tying steel cages which were used in the pre-cast forms. He also assisted in basic surveying tasks.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as the Project Engineer in the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. Tasks included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

District Wide Miscellaneous Safety Contract, FDOT District Three: Project Engineer for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Friday provided design support services for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as a Project Engineer for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** Served as Project Engineer in the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Project Engineer in the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** Served as Project Engineer in the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Serving as Project Engineer in the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Project Engineer for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** Serving as Project Engineer for this project which includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

SR 10 over Yellow River Bridge Replacement, Okaloosa County, Florida: Serving as the Roadway Project Engineer in the design of this bridge replacement project from west of the existing Yellow River bridge to Antioch Road. Major work for this project includes the replacement of the structurally deficient bridge currently over Yellow River. Additional work includes reconstructing the approaches, as well as improving drainage, upgrading guardrail, and coordinating potential utility conflicts.

SR 95 Widening, FDOT District Three, Escambia County, Florida: Assisting the Senior Project Engineer in the design of this 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). This project is on the Florida Intrastate Highway System (FIHS) and therefore will be designed based on standards for the FIHS Plan Development and Update Criteria. This project includes the design of a major interchange, the addition of bike lanes and sidewalks, and major intersection improvements throughout the corridor. The signalized intersections, as well as the emergency flashing beacon at a volunteer fire department, will be upgraded. All signals will include fiber optic communication and actuated pedestrian features. Other tasks include preparing and writing an Access Management Plan and a Community Awareness Plan, as well as the compilation of Value Engineering Documentation and Design Documentation. This project also includes extensive public involvement due to the Access Management Classification and the design speed of 50 miles per hour.

James W. Highland, PE

Signalization; ITS



Years of Experience

- 9 Total
- 9 With Firm

Professional Registration

Professional Engineer No. 68240, Florida, 2008

Education

Bachelor of Science, Civil Engineering, Southern Illinois University at Carbondale, 2002

Professional Affiliation

American Society of Civil Engineers

Software Aptitude

- MicroStation Version 8
- GEOPAK
- GuidSIGN
- AGI32
- Synchro

PROFESSIONAL PROFILE

James W. Highland, PE is a Project Manager at DRMP and is currently responsible for traffic engineering design, plans production and conducting field reviews and inventory for traffic engineering projects. He also prepares traffic reports.

His experience in traffic engineering design includes: signing and pavement marking, signalization, lighting, and Intelligent Transportation Systems (ITS). In addition to the lighting plans production, Mr. Highland has prepared preliminary reports such as Lighting Justification Reports and Lighting Design Analysis Reports. He has also developed signal timings for isolated intersections and coordinated signal systems with the aid of traffic modeling software packages.

RELEVANT PROJECT EXPERIENCE

NFTPO ITS System Manager, FDOT District Two, Various Counties: Project Manager in assisting the North Florida TPO efforts with system engineering services to address regional ITS systems, Advanced Traffic Management and Public Safety Initiatives. Projects included research and analysis, design, project development, system integration and system architecture

Church Street Streetscape, City of Orlando, Orange County, Florida: Engineer of record for two miles of aesthetic lighting design, interconnect design and signalization design at seven intersections.

Tanner and McCullough Intersection Improvements, Orange County, Florida: Served as Engineer of Record for the intersection improvements including the reconstruction of one signal, signing and pavement markings and utility coordination.

Districtwide Miscellaneous Design Contract No. FDOT District Five: Served as Project Engineer on this districtwide contract. Tasks included signing and pavement markings, milling and resurfacing, concrete pavement rehabilitation, ADA improvements, sidewalk construction, guardrail improvements, turn lanes, minor widening, utility coordination, drainage, signalization, permitting and maintenance of traffic. These services were provided for SR 15, SR 471, SR 48, SR 483, SR 500, SR 25, SR 46, US 1 and SR A1A.

SR 15, FDOT District Five, Orange County, Florida: Project Engineer for a 2.1 mile, one-way, three-lane urban roadway project. Project included traffic signals, milling and resurfacing, reconstruction, utility coordination exceptions, variations, drainage, ADA updates, signing and pavement markings and maintenance of traffic.

Osceola Parkway, Phase I, Osceola County, Florida: Project Engineer for signalization design (3 locations, 1 with interconnect), and signing and pavement marking design for a 1.2 mile roadway reconstruction from 4 to 6 lanes. This project was just east of the Turnpike, to Buenaventura Blvd.

SR 548 (In-Town By-Pass), City of Lakeland, Polk County, Florida: Project Engineer for signalization design with interconnect (five locations) and lighting design for a new 1.1 mile, 4-lane urban roadway from George Jenkins Boulevard to SR 35 (North Florida Avenue).

Gunn Highway Signalization, Hillsborough County, Florida: Project Engineer for signalization plans (four locations) and interconnect plans for one mile of roadway widening/reconstruction project (two-lanes to four-lanes).

Poinciana Boulevard, Osceola County, Florida: Project Engineer for signalization plans (three locations) and signing and pavement marking design for a 2 mile roadway widening/reconstruction project (two-lanes to four-lanes).

CR 209 Bridge over Black Creek, FDOT District Two, Clay County, Florida: Project Engineer for navigation lighting plans and signing and pavement marking design for a 0.75 mile roadway resurfacing project (two-lanes).

SR 414 (Maitland Blvd Extension) Phase I Management System, Orlando-Orange County Expressway Authority, Orange County, Florida: Engineer of Record for plans preparation and development of the Phase I Expressway Management System of SR 414. The project consists of the design for a new gigabit Ethernet fiber optic communications network consisting of CCTV's, Travel Time Systems, DMS and toll plaza communications. Electrical distribution systems include UPS systems, step

up/down transformers, and various ground and surge suppression designs. Specialized wiring diagrams were developed for each local HUB. Specifications were developed for all equipment.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida's Turnpike Enterprise, Various Counties, Florida: Project Designer for the ITS design of supplemental fiber optic network (FON), which consists of 1-1/4" conduits, single-mode fiber optic cable connection to the backbone fiber optic system for each DMS location, multiple DMS locations, Gigabit Ethernet (Gig E) and wireless Ethernet radio communication systems. DMS application type and quantities included 10 mainline DMS, 15 mainline toll plaza DMS, and 11 arterial DMS. Mr. Highland also provided utility coordination services for the ITS design of supplemental fiber optic network (FON), multiple DMS locations, Gigabit Ethernet (Gig E) and wireless Ethernet radio communication systems. Utility coordination and certification was required for over 50 UAO's along the Turnpike Enterprise System.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida's Turnpike Enterprise, Polk County, Florida: Project Designer for the ITS design of a new fiber optic network (FON), which consists of 1 1/4" conduit, fiber optic splice vaults, single-mode fiber optic cable, ITS device power, and new layer 2 Gigabit Ethernet (Gig E) communication system. The communication system will provide electronic data transmission of 25 closed-circuit television (CCTV) cameras, 100 vehicle detection stations (VDS), four mainline dynamic message signs (DMS), and two highway advisory radios (HAR) for a 24.4 mile limited access roadway. Mr. Highland was also responsible for Utility Coordination for this project. Utility coordination and certification was required for over 15 UAO's within the project limits.

SR 10 (Beaver Street), FDOT District Two, Duval County, Florida: Project Engineer for design to upgrade two signalized intersections to mast arms.

SR 10 (Atlantic Boulevard), FDOT District Two, Duval County, Florida: Project Engineer for design to upgrade six signalized intersections to mast arms.

Edgewood Avenue (SR 111) Signalization, FDOT District Two, Duval County, Florida: Project Engineer for design to upgrade six signalized intersections to mast arms.

SR 55, FDOT District Two, Levy County, Florida: Project Engineer for signal plans (two locations) and signing and pavement marking design for a 12.5 mile roadway milling and resurfacing project through both urban and rural sections.

SR 10A Godwin to Edison Resurfacing, FDOT District Three, Escambia County, Florida: Project Engineer for signalization plans (five locations) and signing and pavement marking design for a 3 mile roadway resurfacing project (four-lanes).

US 1/SR 5 Resurfacing, FDOT District Five, Volusia County, Florida: Project Engineer for signalization plans (17 locations) and signing and pavement marking design for a 3.25 mile roadway resurfacing project (4 lanes).

SR 60 Fredrica Avenue to Highland Avenue, FDOT District Seven, Pinellas County, Florida: Project Engineer for signalization plans (two locations) and signing and pavement marking design for a 0.6 mile roadway resurfacing project (four-lanes).

A. Max Brewer Bridge Replacement Design-Build, FDOT District Five, Brevard County, Florida: Provided roadway lighting design for the replacement of A. Max Brewer Bridge and the south relief bridge, approximately 2,700 feet and 160 feet long respectively. Mr. Highland was also responsible for aesthetic pier lighting, navigational lighting and fishing pier lighting. Project consists of bridge design, roadway reconstruction, traffic, lighting, environmental, drainage, Maintenance of Traffic and signing/pavement marking.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Project Engineer for lighting plans at the SR 589 and US 98 Interchange.

SR 417 at Innovation Way Project 417-302, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Designer for lighting plans and ITS replacement and relocation at the SR 417 and Innovation Way Interchange and signalization design at the northbound and southbound SR 417 ramps at Innovation Way. The ITS component consists of the replacement and relocation of the existing devices and fiber optic communications network for the transmission of data and video images and video control as well as toll collections.

SR 429 (Western Beltway, Part C – Section 2), Florida's Turnpike Enterprise, Orange and Osceola Counties, Florida: Project Engineer for lighting design for new four-lane, limited access roadway.

SR 528 (Beachline Expressway), Florida's Turnpike Enterprise, Orange County, Florida: Project Engineer for signing and pavement marking design for a 8.4 mile roadway widening/reconstruction (four-lanes to six-lanes) project from Interstate 4 to McCoy Road (SR 482).

SR 91 (Florida's Turnpike), Florida's Turnpike Enterprise, Orange County, Florida: Project Engineer for lighting design for a 4.7 mile roadway widening/reconstruction (four-lanes to eight-lanes) project from north of Beulah Road to north of SR 50.

SR 408 (East-West Expressway), Contract 252B, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Engineer for lighting design for a 4.5 mile roadway widening project from Hiawasse Road to Tampa Avenue. The project also included the relocation of the mainline toll plaza with the new plaza providing express toll lanes.

Patrick B. Nevah, PE

Signalization; Signing & Pavement Plans; ITS



Years of Experience

5 Total
5 With Firm

Professional Registration
Professional Engineer No.
72369, Florida, 2011

Education
Bachelor's of Science in Civil
Engineering, University of
South Florida, 2004

Training
Roadway SiteMenu to FDOT
Standards, 2004
FDOT Basic GEOPAK for
Roadway Designers, 2005

Software Aptitude
MicroStation, V8
GEOPAK, 2004
AutoTurn
Professional's Electronic
Data Delivery System
(PEDDS)
GuidSIGN

PROFESSIONAL PROFILE

Patrick B. Nevah, PE is a Traffic Project Engineer for DRMP and is currently responsible for development of signing and pavement markings, signalization, lighting, intelligent transportation systems plan sets and assisted with traffic studies. Mr. Nevah has a vast knowledge of the FDOT electronic delivery process and software. He has completed several electronic deliveries for FDOT Districts One, Four, Five and the Florida's Turnpike Enterprise.

RELEVANT PROJECT EXPERIENCE

SR 33, City of Lakeland, Polk County, Florida: Project Engineer assisting in the preparation of the Signalization design and the Signing and Pavement Markings design of a 1 mile roadway widening project from two to four-lanes.

SR 500, FDOT District Five, Lake County, Florida: Engineering Intern assisting in the preparation of signalization design and signing and pavement marking design for a roadway widening project through an suburban area. Assisted in the design of the Guide Signs with Guidsign Software.

SR 483, FDOT District Five, Volusia County, Florida: Engineering Intern in charge of preparing pavement design, typical section package, roadway design, signalization design, signing and pavement marking design and electronic submittal for adding a turn lane at the intersection of N. Clyde Morris Blvd. and Mason Ave.

SR 429 (Maitland Boulevard. Extension), Orlando-Orange County Expressway Authority, Orange County, Florida: Engineering Intern assisting in plans preparations and development of quantities for lighting design. Project consists of final geometric design for the realignment and extension of SR 429 from Boy Scout Road to north of US 441 and a new interchange at SR 429 and US 441.

SR 91, Florida's Turnpike Enterprise, Orange County, Florida: Engineering Intern assisting in the preparation of signalization design and signing and pavement marking design for a limited access roadway widening project. Assisted in the design of the Guide Signs with Guidsign Software.

SR 5 (US 1), FDOT District Four, St. Lucie County, Florida: Engineering Intern assisting in the preparation of signalization design for a milling and resurfacing project in an urban area. Assisted in the change of 3 intersections from strain pole assemblies to mast arm assemblies.

SR 417, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Engineer assisting in the plans preparation and development for the Signing and Pavement Markings design and the Fiber Optic Network (FON) design. The project consists in the widening from four to six-lanes for four miles of a limited access roadway.

SR 817 at SR 84, FDOT District Four, Broward County, Florida: Engineering Intern assisting in preparing pavement design, typical section package, roadway design, signing and pavement marking design and coordinating with structures for adding a curb ramp at the intersection of SR 817 (University Drive) and SR 84.

SR 869, FDOT District Four, Broward County, Florida: Engineering Intern assisting in preparing pavement design, typical section package, roadway design, signalization design and signing and pavement marking design for adding a turn lane at the intersection of SR 869 (SW 10th Street) and SW 28th Ave.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida's Turnpike Enterprise, Polk County, Florida: Project Designer assisting with the design of a 25 mile Intelligent Transportation System along SR 570 (Polk Parkway) which utilized gigabit Ethernet communications with field installations of Closed-Circuit Television (CCTV) sites, Vehicle Detection Systems (VDS), Travel Time Systems (TTS), Dynamic Message Signs (DMS), and Highway Advisory Radio (HAR) systems. Data transmission for all field devices was aggregated at a Master Hub site for transmission via a Long Haul Edge Switch back to the Turnpike Enterprise Traffic Management Center on the Mainline Turnpike in Orange County. Work for this project included permitting for the crossing of Railroad Right of Way, County Right of Way, and Navigable Waterways. Detailed specifications were developed for all communications and field devices. Post Design services were provided with the assistance of testing and integration of the VDS, TTS and DMS systems. As part of the integration services, Mr. Nevah assisted in the optimum height placement of the antennae on the poles to provide the best readings possible from the devices. Troubleshooting was performed on every system to ensure functionality.

SunNav ITS Dynamic Message Sign Project, Florida's Turnpike Enterprise, Various Counties, Florida: Project Designer for ITS deployment project spanning multiple counties. Project included traffic engineering design and plan production for the development of the fiber optic network, placement of the Dynamic Message Signs (DMS), and supporting devices (TTS and wireless networks) from SR 82 I MP 9.7 to SR 91 MP 289.7. Detailed specifications were developed for all field devices. Post Design services were provided with the assistance of testing of the DMS devices.

Mainline Turnpike Widening, Florida's Turnpike Authority, Orange County, Florida: Project Designer for ITS plans in conjunction with a roadway widening (4 to 8 lanes) and ramp reconstruction project. Project consisted of designing the replacement of the existing Gigabit Ethernet Fiber Optic Communications network and supporting devices (CCTV, VDS, TTS, DMS & AVI Readers), which included both a temporary and permanent network configuration. Project also included the replacement of the existing county fiber network cable and drops for signalization interconnect within the project limits. Technical Specifications were developed for all equipment as required as well as wiring diagrams for each local hub. Mr. Nevah provided traffic engineering design and plan production for the ITS and Signalization plans of SR 91 and exit/entrance ramps to SR 50.

SR 408 OOCEA Project 253C, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Designer for new Gigabit Ethernet Fiber Optic Communications Design for the transmission of data and video images and video control as well as toll collections. Connections to CCTV sites, Data Collection Sites, Dynamic Message Signs and Toll Plaza's. Ethernet hardware installed in the toll plaza's used to aggregate data and regenerate signal for transmission to OOCEA Headquarters and Regional Traffic Management Center. Mr. Nevah assisted in the troubleshooting of systems that where not online after installation.

SR 570 (Polk Parkway) Design Build, Florida's Turnpike Enterprise, Polk County, Florida: This project is a 4-lane widening and Toll Plaza expansion of the Polk Parkway from MP 21.1 to MP 24.1 (Interstate 4). Project Engineer currently assisting in the design and preparations of an Intelligent Transportation Systems (ITS) plan set for the relocation of the existing Gigabit Ethernet Fiber Optic Communications network and ITS devices (Vehicle Detection System and Highway Advisory Radio system) due to the widening. It also involves the installation of a Travel Time Systems (TTS) for new ramps being constructed to serve Pace Road. Mr. Nevah also provided traffic engineering design and plan production for the signalization of the new exit/entrance ramps with Pace Road.

SR 414 (Maitland Blvd Extension) Phase I Management System, Orlando-Orange County Expressway Authority, Orange County, Florida: Project Designer assisting in the plans preparation and development of the Phase I Expressway Management System of SR 414. The project consists of the installation of a redundant fiber optic feeder cable, Closed Circuit Television (CCTV) Cameras and Data Collection Sensors (DCS) along a 5-mile stretch of Limited-Access Facility.

SR 821/91 (Florida's Turnpike), Florida's Turnpike Enterprise, Miami-Dade, Broward, Palm Beach, Osceola, Orange and Lake Counties, Florida: Engineering Intern assisting in plans preparations, development of quantities, Computation book, and construction cost estimating. The project consists of adding Intelligent Transportation Systems (ITS) – Dynamic Message Signs (DMS) – to the entire Florida's Turnpike and HEFT Extension, which is a 307 mile long limited access roadway that starts at Homestead, FL and ends at the junction with Interstate 75 in Sumter County.

SR 91 (Florida's Turnpike), Florida's Turnpike Enterprise, Broward County, Florida: Project Designer involved in the preparation of Intelligent Transportation Systems (ITS) plans for the Sunrise Boulevard to Atlantic Boulevard Turnpike Widening. The project consisted of the installation of Dynamic Message Signs (DMS) on both approach sides of a new Open Road Tolling Plaza. Detailed specifications were developed.

Traffic Operations, Districtwide Contract, FDOT District Five:

- **SR 426, FDOT District Five, Seminole County, Florida:** Engineering Intern assisting in the Qualitative Assessment of the Intersection Operation of SR 426 at Tuskawilla Road in Oviedo, Florida. This study involved a high number of rear end collisions at two approaches to the intersection due to the perception of existing free flow right turns. Provided a recommendation to remove all channelizing striping lines and accompanying chevron markings from the intersection. This would remove the perception of a free flow right turn, and complement the recommended "No Turn On Red" signs to prevent the sudden stops that were leading to the rear end collisions.
- **SR 535, FDOT District Five, Osceola County, Florida:** Engineering Intern assisting in the Qualitative Assessment of Intersection Operation of SR 535 at US 192 in Kissimmee, Florida. This study involved several collisions, including fatalities, into private property at the end of a T-intersection.
- **SR 5 (US 1), FDOT District Five, Brevard County, Florida:** Engineering Intern assisting in the Qualitative Assessment of Intersection Operation of SR 5 at Palm Shores Boulevard in Palm Shores, Florida.
- **SR 50, FDOT District Five, Orange County, Florida:** Engineering Intern assisting in the Qualitative Assessment of Intersection Operation of SR 50 at Sherman Street in East Orange County, Florida, This study involved concerns of left turn vehicles spilling over into thru traffic, with several adjacent median openings.
- **SR 200, FDOT District Five, Marion County, Florida:** Engineering Intern assisting the qualitative assessment of intersection operation of SR 200 at CR 318. This study included the development of a left turn signal/phase warrant.



Eric W. Gooch, PE

ADA Improvements

Years of Experience

10 Total
2 With Firm

Professional

Registration/Certification
Professional Engineer
No. 61686, Florida, 2004

Professional Engineer
No. 030227, Georgia, 2005

Education

Bachelors of Science in Civil
Engineering, Florida State
University, 1999

PROFESSIONAL PROFILE

Eric W. Gooch, PE is a Professional Engineer of DRMP and is currently a project engineer for civil, drainage and stormwater projects. His chief responsibility is project design, construction plans and specifications, performing stormwater analysis and preparing drainage calculations and quality assurance/quality control. Mr. Gooch has worked as a sole proprietor engineer and also as a professional engineer for other design firms. He currently works in DRMP's Tallahassee office and is proficient in such computer programs as AutoCAD, ICPR, ASADv3 and XPSWMM. He is also a licensed General Contractor.

RELEVANT PROJECT EXPERIENCE

Miccosukee Park Master Plan and Design, Leon County, Florida: Responsible for all master planning for rural sports complex of baseball and soccer fields, tennis courts, basketball courts as well as associated seating and ADA accessibility. The master plan and design included grading, drainage, timber retaining walls and technical specifications for all specialty options provided for.

AmSouth Bank, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards. The stormwater facility consisted of a side bank under drain system outfalling to a newly constructed box culvert along the Centerville Road corridor.

Withlacoochee Bay Trails, Citrus County, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved water and sewer distribution systems (public well and commercial septic system), roadway design including site distance determination, turn lane requirements, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections.

Orange Avenue Roadway Improvements, Leon County, Florida: Responsible for the design and relocation of water and sewer distribution systems and assisted with the design of stormwater and drainage improvements to the project which consisted of a 2 lane urban road section with open ditch improved to an urban 4 lane section with closed box culvert system along the improved roadway.

Lonnbladh Road Drainage Study and Design, Leon County, Florida: Responsibilities included the revision of an in depth ICPR basin study and multiple design alternatives to determine a best community fit plan to help reduce flooding on the Northeast quadrant of Tallahassee. Permitting included local agencies, FDEP and ACOE wetlands permitting. This project was located and designed such that the existing stream and wetlands would only be minimally impacted allowing the low flow conditions and wetlands to remain unaltered in the post development condition.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Responsible for modeling and identification of current stormwater flood areas and alternatives to remedy the situation as well as the completion of an in-depth analysis report of all findings and alternatives. There was a combination of ICPR and HEC RAS used on this project to complete the modeling process.

6th Avenue NW Drainage improvements, City of Cairo, Grady County, Georgia: Responsibilities on this project included design, permitting and stormwater modeling of this access roadway for the northwest neighborhood in the City of Cairo. This project included the design of headwalls, cross drain piping, roadway and associated improvements to facilitate access during storm events. Georgia EPD permitting, ACOE wetland permitting and local agency permits were required for this project.

Community House Road Improvements, Mecklenberg County, North Carolina: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the City of Charlotte and State of North Carolina standards for the roadway improvements on the Community House Road Improvements. Improvements consisted of the installation of grassed medians, turn lanes and the addition of curb and gutter and sidewalk to the existing roadway alignment.

Lake Underhill Road, Orange County, Florida: Responsible for Master Plan Report and quality control for the Alternatives Report of the ICPR alternatives modeling process. This project consisted of the determination of viability of a four lane road section versus the existing two lane section and closing in a roadside ditch and piping via box culvert to the existing location.

Vasu T. Persaud, EI

Traffic Modeling



Years of Experience

- 4 Total
- 4 With Firm

Professional Registration
Engineering Intern (EI)
Michigan, 2006

Education
Master's of Science in
Transportation Engineering,
University of Central Florida,
Fall 2008

Bachelor's of Science in
Civil Engineering, University
of the West Indies, 2004

Professional Affiliation
Institute of Transportation
Engineers

American Society of
Highway Engineers

American Society of Civil
Engineers

Software Aptitude
MicroStation, V8
Synchro, 7
FSUTMS and Cube Models
ArcMap
HCS
LOSPLAN
CORSIM
TIPS

Awards
UCF CATSS Scholarship –
Spring 2006

Publications

"Dynamic Speed Monitoring on Sharp Curves Utilizing a Wireless Solar Powered Dynamic Speed Monitoring System," presented at the 89th Annual Meeting of the Transportation Research Board, 2010

PROFESSIONAL PROFILE

Vasu T. Persaud, EI is Project Engineer with DRMP and currently assists with a variety of transportation related tasks including traffic forecasting, arterial and intersection level of service analysis, and conceptual roadway design plans preparation.

Mr. Persaud has worked in a variety of transportation disciplines to develop a unique understanding of the interrelationship between traffic operations and geometric design. He interacts with the public and has the ability to present technical material in a way that facilitates understanding and aids in building consensus.

RELEVANT PROJECT EXPERIENCE

I-10/US 29 Interchange and I-10 Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Serves as Project Engineer for this PD&E Study Re-evaluation which involves proposed improvements to the existing SR 8 (I-10)/SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to a point just west of the recently improved I-10/I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a Finding of No Significant Impact (FONSI) approved in May 2000. This Re-evaluation began in June 2009 and is expected to be completed by the end of 2010. Individual responsibilities included: developing the traffic projections to be used to establish the basic design requirements for roadway typical sections, intersection geometry and interchange design. Mr. Persaud assisted the project team in evaluation of the Pensacola Urban Area Transportation Study (PUATS) traffic forecasting modeling, currently maintained by the Florida-Alabama Transportation Planning Organization (TPO), and updating input socio-economic and network data based upon the ongoing 2035 Long Range Transportation Plan (LRTP) update and the current FDOT, TPO and County work programs.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Serves as Project Engineer providing traffic operational analysis support to the project team. Mr. Persaud has assisted in signal timing and Level of Service (LOS) analysis involving evaluating safety improvement measures such as turn lane additions, signalization, phasing, and pedestrian walk and clearance timings. As part of the project, he is required to be proficient with the guidance, as it relates to safety, provided in the FDOT design standards, the Highway Capacity Manual, FDOT Manual on Uniform Traffic studies (MUTS), the FDOT Traffic Engineering Manual, etc.

- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** Provided traffic operational analysis for this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Provided traffic operational analysis for this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.

SR 95 Widening, FDOT District Three, Escambia, Florida: Served as Project Engineer to conduct operational and Level of Service (LOS) analysis related to the design of the 2.3 mile, four-lane to six-lane widening and bridge replacement project from SR 8 (I-10) to ½ mile north of SR 10 (US 90A/Nine Mile Road). Mr. Persaud assisted the project team in conducting an analysis of the Tight Urban Diamond Interchange (TUDI) proposed as part of the design. In addition, Mr. Persaud also assisted the project team in conducting an analysis to assess the operations, safety, and design standards conformance of a full versus directional median opening in close vicinity to the interchange. This analysis was used by the District in access management negotiations with adjacent property owners.

Lakeland Corridor Study, City of Lakeland, Polk County, Florida: Serves as a Project Engineer for a \$300,000 study to improve east-west mobility between US 98 and Lakeland Hills Boulevard/Socrum Lood Road. Mr. Persaud assists with travel demand analysis, using Polk County CFRPM models, and existing and future level of service analysis, alternatives development, geometric design, and public involvement coordination.

Florida Hospital DRI's, Florida Hospital, Orange County, Florida: Served as Project Engineer on the land development team that provided a variety of assistance including transportation planning services to Florida Hospital. Mr. Persaud worked on the Modeling and Methodology and Application for

Development Approval documents for the approximately one million sf hospital campus improvements. He was involved in conducting travel demand modeling using the OUATS/FSUTMS model for the various build-out phases of the project. He also developed existing and future year Synchro networks for over 20 downtown Orlando signals in order to evaluate traffic impacts.

Wickham Road Signal Warrant Study, Brevard County, Florida: Served as Project Engineer to conduct an evaluation of a shopping complex driveway entrance to Wickham Road in order to determine the applicability of erecting a signal. Responsible for evaluating the impact of a new signal on progression along Wickham Road and developed timing and phasing patterns that would allow the intersection to function harmoniously with the existing coordination plans.

Florida Hospital East Orlando Campus Signal Warrant Study, Orange County, Florida: Served as Project Engineer to conduct a signal warrant study at the Florida Hospital East Orlando Campus most westerly access to Lake Underhill Road in Orange County, Florida. Mr. Persaud conducted site reviews, data collection, traffic analysis, warrants analysis and prepared documentation to obtain approval for a traffic signal. As part of the project Mr. Persaud was required to be thoroughly familiar with the sections of the FDOT Manual on Uniform Traffic studies (MUTS) pertaining to traffic signal warrants.

City of Sanford Downtown Circulation Study, City of Sanford, Seminole County, Florida: Served as project engineer for a study to evaluate traffic circulation for trucks and larger vehicles within the downtown area. He assisted the study team in all aspects of the study. The study involved the assessment of the existing truck route, the assessment of roadway geometry to accommodate alternative truck movements, the development of a downtown and pass-by truck route, and the development of guide signage for the routes.

City of Sanford Downtown Parking & Boat Route Logistics Evaluation, City of Sanford, Seminole County, Florida: Mr. Persaud served as the primary traffic engineer for a study to evaluate the existing on-street parking configuration as well as assess the existing boat route within downtown Sanford. As part of the parking evaluation, Mr. Persaud conducted an inventory of the existing parking spaces and determined the need for uniform parking (on-street parking only). As part of the boat-route evaluation, Mr. Persaud studied the existing unofficial boat route, developed alternative boat routes, selected a preferred boat route, and developed conceptual signage to implement the preferred alternative as the official route.

City of Sanford Rail Facilities Access Study, City of Sanford, Seminole County, Florida: Mr. Persaud served as project engineer for a study to evaluate existing roadway access to the Amtrak Auto Train facilities located within City limits. The need for the project was motivated by increased Auto Train ridership, lack of roadway connectivity, insufficient access to and from the station, an increased multi-modal presence and future improvements. The project was initiated by the City in an effort to lay the foundation for a future project and identify the anticipated level of funding required to support the improvements. The study served as the basis for a condensed summary that was developed a congressional request for federal funds.

Ormond Crossing DRI Traffic Analysis Review, City of Ormond Beach, Volusia County, Florida: Serves as one of the primary traffic impact study reviewers for the City of Ormond Beach. Mr. Persaud evaluates traffic impact studies for compliance with the City of Mount Dora Land Development Code and applicable Florida Statutes. He is required to be thoroughly familiar with many transportation planning procedures including trip generation, trip distribution, level of service analysis, impact mitigation, and proportionate share calculations.

Mount Dora First Avenue Traffic Study, City of Mount Dora, Lake County, Florida: Serves as one of the primary traffic impact study reviewers for the City of Mount Dora. Mr. Persaud evaluates traffic impact studies for compliance with the City of Mount Dora Land Development Code and applicable Florida Statutes. He is required to be thoroughly familiar with many transportation planning procedures including trip generation, trip distribution, level of service analysis, impact mitigation, and proportionate share calculations.

Mount Dora Traffic Impact Study Reviewer, City of Mount Dora, Lake County, Florida: Serves as one of the primary traffic impact study reviewers for the City of Mount Dora. Mr. Persaud evaluates traffic impact studies for compliance with the City of Mount Dora Land Development Code and applicable Florida Statutes. He is required to be thoroughly familiar with many transportation planning procedures including trip generation, trip distribution, level of service analysis, impact mitigation, and proportionate share calculations.

Mount Dora Traffic Impact Study (TIS) Guidelines, City of Mount Dora, Lake County, Florida: Mr. Persaud co-authored a TIS guideline document for the City of Mount Dora which developer applicants will be required to follow when preparing TIS for the City. The intent of the guidelines was to provide a general preparation guide for applicants assessing the potential traffic impacts of new developments or updates to previously approved developments and changes in zoning and/or Comprehensive Plan amendments. These guidelines establish minimum standards for all TIS reports in order to provide a clear, orderly and consistent basis in which traffic impacts are evaluated. The project involved close coordination with the City, Lake County Planning and the Lake-Sumter Metropolitan Planning Organization.

McRae Street Garage Access and Circulation Study, City of Orlando, Orange County, Florida: Served as Traffic Operation Engineer to plan the proposed multi-storey McRae Street Garage in such a way as to minimize future traffic congestion. This study was conducted to investigate queuing and traffic flow on surrounding roadways. The project involved the simulation of the adjacent network surrounding the proposed garage using SimTraffic and the evaluation of the 50th and 90th percentile queues using Highway Capacity Manual techniques.

Jeffrey R. Lance, PSM

Survey



Years of Experience

19 Total

8 With Firm

Professional Registration

Professional Surveyor and Mapper, No. LS5657, Florida, 1996

Education

Bachelor's of Science in Surveying and Mapping, University of Florida, 1990

Professional Affiliation

Florida GPS Users Group
Florida Surveying and Mapping Society

American Congress on Surveying and Mapping

Software Aptitude

AutoCAD

CAICE

GPSurvey

Trimble Geomatics Office

Pathfinder Pro

EFBP

Vector

Ski, Ski-Pro

PROFESSIONAL PROFILE

Jeffrey R. Lance, PSM serves as DRMP's Survey Office Manager for the Chipley office. In addition, he is responsible for the management of all FDOT District Three survey services and continues to support the firm, statewide, with geodetic surveying support and training.

Mr. Lance has extensive expertise in providing government agencies and private sector clients with specialized surveying and mapping. His experience includes Geodetic Surveying, specializing in Global Positioning System (GPS) applications and network adjustment, including Precise Leveling, automated Hydrographic surveying, Geographic Information System (GIS) applications, and traditional land surveying. His GPS experience has involved all phases of the system and has ranged from small-scale photogrammetric control projects to county and statewide control densification projects.

RELEVANT PROJECT EXPERIENCE

SR 10 (US 90) Yellow River Bridge, FDOT District Three, Okaloosa County, Florida: Survey manager responsible for design survey including a channel survey for bridge replacement, alignment re-establishment, utilities location and VVH.

SR 95 (US 29), FDOT District Three, Escambia County, Florida: Survey manager for the 2.5 mile Multilane Reconstruction project. Survey tasks included a full DTM including off-site drainage and conveyances, sectional survey, utilities designating and VVH, and a control survey.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Provided surveying services for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Specific survey services included: horizontal and vertical control, alignment determination, dtm topography, location of utilities, and cross-sections.

- CR 179A, Holmes County, Florida
- SR 8 at CR 191, Santa Rosa County, Florida
- SR 267 at SR 369, Wakulla County, Florida
- SR 292 at Waycross, Escambia County, Florida
- SR 173 at Bellview, Escambia County, Florida
- SR 8 at SR 89, Santa Rosa County, Florida
- SR 8 at CR 257, Jefferson County, Florida
- SR 30A at Clara Avenue, Bay County, Florida
- SR 30A at Lyndell Lane, Bay County, Florida

SR 83 (US 331), Walton County in cooperation with FDOT District Three, Florida: Survey manager responsible for full design survey and DTM, wetlands, pond sites, and a control survey along the 4.8 mile corridor.

SR 10 (US 90), FDOT District Three, Jackson County, Florida: Survey Manager for the one-mile long corridor in the Town of Sneads, RRR survey consisting of alignment determination, cross-sections, 2D and 3D topography, and utilities location.

SR 298 (Lillian Hwy), FDOT District Three, Escambia County, Florida: Survey manager for the 3-mile corridor for RRR survey. Included alignment determination, cross-sections, 2d topography, and utilities location.

SR 8/SR 8A (I-10/I-110) Monumentation, FDOT District Three, Escambia County, Florida: Survey Manager responsible for the post-construction monumentation effort of both Interstate corridors and selected side streets: SR 727 (Fairfield Blvd), SR 291 (Davis Hwy), Airport Blvd., and SR 742 (Creighton Road).

SR 173 (Blue Angel Parkway), Escambia County, Florida: 3.5 mile design survey prepared for Escambia County utilizing existing FDOT survey data where available. Extended project limits north and south and added cross-section data and sidestreet topography.

SR 292 (Perdido Keys Road), FDOT District Three, Escambia County, Florida: Project Manager for intersection improvement project. Plans update performed after Hurricane Katrina damage.

SR 377, FDOT District Three, Wakulla County, Florida: Project Manager for 3.83 mile roadway project. Re-established the centerline of survey and associated reference points, cross-sections, and 2D topo.

SR 10 (US 90/90A), FDOT District Three, Escambia County, Florida: Project Manager for the 6.58 mile roadway project. 3R project involving alignment determination, 120+ cross-sections, and 2D topo.

SR 79 Steel Field Road to Washington County, FDOT District Three, Washington County, Florida: Project Manager for three individual boundary survey projects prepared to both FDEP and FDOT specifications. Surveys included geodetic survey with GPS, sectional surveys, pre-determined area calculations, and mapping.

SR 727 3R, FDOT District Three, Escambia County, Florida: Project Manager for the 1.3 mile 3R project. Survey included alignment determination for 2 miles of roadway, 3R cross-sections, and a small area of DTM topo for removal of an existing railroad track.

SR 727 at Vanderbilt Road, FDOT District Three, Escambia County, Florida: Project Manager for the 0.5 mile project. Survey performed a full DTM for the project to support the intersection improvement at Vanderbilt Road.

US 331 (SR 83) Passing Lanes, Walton County, Florida: Project Manager for the three-mile project working for PBSJ. Project included alignment determination and full DTM survey of two separate areas of roadway designated for widening.

SR 30, FDOT District Three, Franklin County, Florida: Project Manager responsible for survey performed for Phoenix Construction. Involved the alignment of 18 miles of roadway and the establishment of benchmarks throughout the project area. Field crews provided cross-sections and staked numerous areas of sheet pile and articulating block in an effort to preserve the roadway from past and future weather related erosion.

SR 520 Primary Network Control Project, FDOT District Five, Florida: Project Manager for this project that involved establishing over 13.5 miles of Geodetic Baseline Control to support the FDOT's advanced Right-of-Way and design survey project located in Orange and Brevard Counties. Over 20 new geodetic stations were established with static GPS techniques within the highly dangerous and narrow road corridor with 1st Order horizontal results.

SR 589 (Suncoast Parkway 2), Florida's Turnpike Enterprise, Hernando and Citrus Counties, Florida: Project Surveyor responsible for over 26 miles of Primary Network Control and the design survey of over 8 miles for the design of new roadway.

Tapestry Park, Mark Tanney, Bay County, Florida: Project Manager and Lead Civil Engineer involved in the planning, surveying, permitting, engineering design, development and construction inspection of this 57± acre Neighborhood with residential and mixed use development for one of the first Neo-Traditional communities in the Florida panhandle. Working with the developer, a master plan was created for Tapestry Park that includes planning the roadways, utilities and stormwater management systems to allow for this project to be constructed in Phases. The design includes multiple lift stations and a 1500 lineal foot extension of the 12" sanitary force main to the Panama City Beach sewer system.

Boggy Creek Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 900-acre gross land area, \$450,000 boundary, topographic, and wetland survey to support future site development in Callaway. This project involved a Mean High Water Line determination prepared to FDEP specifications. Involved the sectional retracement of three sections, the staking of the Mean High Water Line at previously determined elevation and newly determined elevation.

Intracoastal Waterway Mapping Project, The St. Joe Company, Gulf, Bay and Walton Counties, Florida: This survey extended from Choctawhatchee Bay in Walton County to Lake Wimico in Gulf County. The project area also included the Gulf County canal from Port St. Joe north to the Intracoastal Waterway. This project was performed to map the locations of St. Joe ownership adjacent to the Waterway throughout the length of the canals. Of importance was the contiguity of Joe ownership and the identification of gores, gaps, overlaps, hiatus' of descriptions, and of non-Joe ownership – mostly Federal lands used for spoil sites. A field survey was performed with GPS to geo-reference selected section corners and to refine the mapping product ESRI shapefile conversions. The products were delivered as an ESRI ArcGIS 9.2 product.

DANTIN CONSULTING, LLC



Debbie M. Dantin is a registered professional engineer (in Florida and Georgia), and has over twenty-four (24) years of transportation planning and engineering experience in Florida and Georgia. Her hands-on experience is diverse in traffic operations, signalization/ITS, transportation policy development, transportation concurrency, traffic impact studies, multi-modal transportation master plans, corridor and mobility studies, developments of regional impacts (DRI), planned unit developments (PUD), design standards, expert witness testimony, roadway corridor studies, preliminary design and environmental (PD&E) studies, access management/permitting, traffic calming, regional bicycle and pedestrian plans, and parking and circulation studies. Projects range in size from \$2,500 - \$250,000, with management of projects of up to \$8.5M including planning, design and implementation of Tallahassee's Advanced Transportation Management System to operate and maintain all signals within Leon County.

Ms. Dantin is President of Dantin Consulting formed in March 2009, a DBE firm certified with FDOT, State of Florida and various local governments in Florida. She has both public and private sector experience; Senior Vice President/owner of Genesis Group from 2001-2009 where she began statewide transportation engineering and planning services; and ten (10) years with the City of Tallahassee serving as City Traffic Engineer of Tallahassee from 1995-2001.

Sample Projects (Last 5 Years):

Traffic Studies

- Old St. Augustine/Southwood Plantation Signal Warrant, Leon County, FL
- Meridian Road/Ox Bottom Road Signal Warrant, Leon County, FL
- Meridian Road/Bannerman Road Signal Warrant, Leon County, FL
- Roberts/Centerville Roads Signal Warrant, Leon County, FL
- Roberts/Centerville Roads Roundabout vs./ Signal Analysis, Leon County, FL
- Capital Circle SW/Moore Circle South Signal Warrant, Leon County, FL
- Pisgah Church/Bradfordville Road Signal Warrant, Leon County, FL
- Reynolds Drive/Bannerman Road Turn Lane Analysis, Leon County, FL
- Mahan Drive Corridor Management Study, Leon County, FL
- Beech Ridge Road Extension, Leon County, FL
- Franklin Blvd./Meridian Road/Lafayette Street Roundabout vs./ Signal Operational Analysis, City of Tallahassee, FL
- Leon County Schools Transportation & CNG Facility Concurrency, Turn Lane and Signal Warrant Study, Leon County, FL
- FAMU Way Extension CSX Rail Crossing Analysis & Permit, City of Tallahassee, FL
- Traffic Calming Projects (over 40 roadways in the City), Tallahassee, FL
- FSU Signs and Pavement Marking Study, City of Tallahassee, FL
- Capital Cascades Roadway Closure Analysis, City of Tallahassee, FL
- Settlement Office Park Concurrency Analysis, City of Tallahassee, FL
- Tennyson Condominium Concurrency Analysis, City of Tallahassee, FL

Intersection Design

- Rosemary Beach Mast Arm Signals, Walton County, FL
- Kelly Plantation Mast Arm Signals, Destin, FL
- Blair Stone Road/Apalachee Parkway Mast Arm Upgrades, Leon County, FL
- Blair Stone Road/Publix Shopping Center Mast Arm Upgrade, Leon County, FL
- Blair Stone Road/St. Augustine Road Mast Arm, Leon County, FL
- US 98/4th Street Mast Arm Signal and Intersection Realignment, Panama City, FL
- Pensacola (SR 20)/Lipona Avenue Mast Arm Signal, Tallahassee, FL
- Rankin Avenue/Roberts Road Roundabout Design, Tallahassee, FL
- Capital Cascades Entryway Roundabout vs./Signal at Lafayette Street/Franklin Blvd./Meridian, Tallahassee, FL

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

Geotechnical Engineering

Professional Credentials

Bachelor of Science, Civil Engineering, Tri-State University, 1974
Master of Science, Civil Engineering, Oklahoma State University, 1975
Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past Vice-President of North Florida Section, Past President of Tallahassee Chapter, Engineer of the Year of Tallahassee Branch
Florida Engineering Society, Past Vice-President of North Florida Region, Past President of Big Bend Chapter, Elected Fellow, Past Engineer of the Year of Big Bend Chapter
American Society of Transportation Engineers
American Public Works Association
National Society of Professional Engineers
Transportation Research Board (National Academy of Sciences), Past National Committee Chairman Florida A&M University / Florida State University, Chairman of Civil Engineering Advisory Committee
Leon County Board of County Commissioners, Served on Science Advisory Committee

Special Qualifications

- Over 30 years of *Geotechnical design and investigation* experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques
- Familiar with Bridge Scour Investigation and Studies
- Familiar with Non-Destructive Testing for Unknown Foundations Subjected to Scour

Years Experience with EGS: 20

Years Experience with Other Firms: 18

Relevant Experience

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District III – Provides miscellaneous services to the Florida Department of Transportation under a Continuing Geotechnical Services Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

SR 79, FDOT District III, Washington County, FL (FDOT FPN: 220773-7-52-01) – This project consisted of the reconstruction and multilane widening of SR 79 from a 2 lane rural roadway to a 4 lane divided highway. The geotechnical studies included roadway investigation, pavement design, evaluation of areas of significant cut and fill, culvert extensions for stormwater management facilities, areas of unsuitable subsoils, and construction considerations.

369 (Crawfordville Highway) Roadway Reconstruction from the Wakulla County Line to L.L. Wallace Road, FDOT District III, Leon County, FL (FDOT FPN 219881-1-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. The Geotechnical investigation also included slope stability analysis of high embankment areas.

SR 30 (US 98) Bridge Replacement over the Aucilla River, FDOT District II, Taylor County, FL (FDOT FPN 210873-2-52-01) – This project consisted of conducting the geotechnical studies for the design of a new bridge over the Aucilla River and reconstruction of approach roadways. The investigation included the analysis of subsoils for roadway reconstruction, culverts, MSE retaining walls, and stormwater management facilities. The Bridge investigation included coring the existing rock to evaluate constructability of the drilled shaft foundations. In addition, an additional study was undertaken to identify and recommend design and construction measures to mitigate the voids encountered in the underlying rock. Because of the environmental sensitivity of the area, coordination with FDOT District III was necessary.

SR 369 (Crawfordville Highway) Roadway Reconstruction from East Ivan Road to the Leon County Line, FDOT District III, Leon County, FL (FDOT FPN 220495-2-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. In addition, the project included the replacement of a bridge culvert and construction of high fill embankments over soft highly organic soils.

SR 20 (US 27) Roadway Improvements from SR 319 (Capital Circle Northeast to the Jefferson County Line, FDOT District III, Leon County, FL (FDOT FPN 409025-1-52-01) – This project consisted of resurfacing and lane additions and drainage improvements to the existing roadway. The investigation included the analysis of subsoils for lane additions, culverts, and storm sewers. The roadway improvements also included the investigation of areas of distressed pavement and developing remedial corrective measures.

Michael R. Simpson
Vice President



PROFESSIONAL:

Michael Simpson, is Vice President of Peggy Malone & Associates, Inc., and is currently responsible for managing projects for both the Florida and Virginia office locations and field staff. He also manages the financial aspects of the company such as Accounts Receivable and Accounts Payable, and financial reporting.

Mr. Simpson has had extensive training and hands on experience in the placement of road tubes, conducting turning movement counts, travel time studies, and various other traffic data collection efforts.

EDUCATION: B.S., Florida State University, 1974

SUMMARY OF QUALIFICATIONS:

- 27 years experience in finance with worldwide distribution corporation
- 5 years experience as VP with civil construction firm. Responsibilities included project management of civil construction jobs.
- 3 years experience in traffic engineering field: responsibilities include company administration, project management and field direction of jobs

PROJECT EXPERIENCE:

Peggy Malone & Associates, Inc. conducts approximately 250 projects each year. The following are sample recent projects that have been conducted under Mr. Simpson's supervision.

FDOT District 2 Annual Traffic Count Program

This annual project includes over 1,600 Volume and Class machine counts over the 17 County District. Approximately 700 of these counts are in Duval County. Mr. Simpson has managed this job the past two years. Peggy Malone & Associates has received the top contract performance rating from the FDOT in every category the past two years for this contract.

Brevard County, FL Annual Count Program

PMA has been conducting this program annually for over 10 years. Mr. Simpson manages the 4-month project involving over 500 48-hr volume counts and miscellaneous manual turning movement counts and signal timings.

PROJECT EXPERIENCE (continued):

City of Jacksonville Annual Traffic Count Program

This project is a yearly project for PMA. This program includes over 400 - 24 hour Volume Machine Hose Counts. Mr. Simpson has managed this program the past two years. In both years the job was completed on time and accepted without issue.

Florida Turnpike Annual Count Program

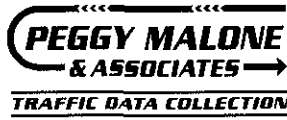
Peggy Malone & Associates has had the Florida Turnpike annual count program for over 10 years. Mr. Simpson has been extensively involved with the project for the collection of 7 day volume and classification hose counts at all the Turnpike Service Plazas during their annual survey weekends, and the collection of 7 day hose counts on the various Turnpike Systems throughout the state of Florida. There are also other projects that require turning movements, travel time studies, stop delay studies around the entrances and exits to the Turnpike roadways.

Southside Blvd Corridor Traffic Study, Jacksonville, FL

This project, conducted for JTA thru RS & H, included 23 - 6 Hour Turning Movements, 17 - 72 Hour Volume Machine Hose Counts, 43 - 24 Hour Volume Machine Hose Counts. Mr. Simpson's management of the project included the scheduling, field coordination and quality control of the project work.

I-95 North Master Plan Project, Duval and Nassau County

This project included 102-8 Hour Turning Movements, 158-72 Hour Volume Machine Hose Counts, 3-72 Hour Class Hose Counts and 8-8 Hour Weaving Studies. The project was completed in 6 weeks in the fall of 2010.



14286 Beach Blvd., #19-345, Jacksonville, FL 32250 (904) 992-8072

Jeff Loberger
Florida Operations Manager

PROFESSIONAL:

Jeff Loberger is the Florida Operations Manager for Peggy Malone & Associates, Inc., and is currently responsible for the management of the Florida Field Technicians ensuring they are thoroughly trained in all aspects of data collection, and follow all the guidelines in the MUTS manual to ensure all safety and correct procedures are followed for conducting traffic counts.

EDUCATION: Associate Degree, Business Administration, 1984. FL Community College, Jacksonville

SUMMARY OF QUALIFICATIONS:

- 12 years experience in traffic engineering business. (7 yrs with current firm)
- Experienced in conducting all types of traffic counts. Trains new field technicians and supervises staff in the field. Conducts safety and quality control inspections to assure that we are delivering the most accurate product to our clients in a timely fashion.

PROJECT EXPERIENCE:

Peggy Malone & Associates, Inc. conducts approximately 250 projects each year throughout the state of Florida. The following are sample recent projects that have been conducted under Mr. Loberger's supervision.

Florida Turnpike Annual Count Program

Peggy Malone & Associates conducts approximately 350 7-day volume traffic counts on the Florida Turnpike System throughout the state of Florida. Mr. Loberger manages all Field Work for this program insuring good quality counts are taken and in a timely manner. Due to his extensive knowledge in conducting traffic counts at DOT Loop Boxes, the Turnpike asked our firm to test some of the Loop Sites on their roadways to verify if the loops were working properly.

Southside Blvd. Traffic Program

Mr. Loberger managed this program consisting of 23 turning movements and approximately 60 traffic machine counts along Southside Blvd. in Jacksonville during a two week period. This project was conducted as a subconsultant for the Jacksonville Transportation Authority.



Jeff Loberger (continued)

PROJECT EXPERIENCE *(continued)*

FDOT District 2 Annual Counts

PMA conducts approximately 1,600 Volume and Class ATR Counts per year under this five year contract. Mr. Loberger manages all field work for this project which takes approximately 7 months to complete each year. PMA was rated the highest possible rating in all categories for this contract performance in the most recent evaluation by the FDOT.

Brevard County, FL Annual Count Program

Mr. Loberger has been involved with this count program for over 10 years including managing the field crew and being part of the traffic data collection effort. His knowledge of the area and historical data gives PMA the edge in completing this project in a quick and timely manner.

US 1, St. Johns County

This project was conducted under the supervision of Mr. Loberger along the US 1 corridor from 9A in Jacksonville to World Golf Village in St. Johns County. It involved turning movement counts and machine counts.

POOLE ENGINEERING & SURVEYING, Inc.

2145 Delta Boulevard, Suite 100
Tallahassee, FL 32303

Barbara Jo Bergstrom, P.S.M.
Vice President/Corporate Surveyor

Professional Credentials

Florida Professional Surveyor and Mapper – Registration Number 5754
Advanced AutoCAD Training
Land Development Civil Survey Program
CAICE/EFB Processing

Professional Organizations

Vice President, Florida Surveying and Mapping Society (2008-2009)
Member, National Association of Women in Construction
Past Chapter Committee Chairperson, TRIG STAR Program by The Florida Surveying and Mapping Society
Past President, Northwest Chapter of The Florida Surveying and Mapping Society (2001-2002)
Past Secretary/Treasurer, Northwest Chapter of the Florida Surveying and Mapping Society (2000-2001)

Special Qualifications

- Performing surveying services in the State of Florida for over 25 years
- Specializes in numerous types of surveys to include boundary, topographic, subdivision, construction staking, utility surveys, as-built surveys, traffic signal and design surveys, right of way acquisitions, and specific purpose surveys
- Project Surveyor for many City of Tallahassee design surveys and FDOT resurfacing and traffic design projects
- Supervision of key technicians and staff for providing quality control and assurance of mapping efforts
- Strong history and knowledge of working in Leon County and surrounding areas.

Years experience with Poole Engineering & Surveying, Inc: 11

Years experience with other firms: 18

Relevant Experience

ORANGE AVENUE/WAHNISH WAY IMPROVEMENTS – Project Surveyor on team effort with Crowder Excavation for resurfacing and construction staking of new drainage improvements, stormwater pond and layout of curb and gutter, sidewalks and as-built surveys for City of Tallahassee. (Feb. 2008 to present)

FAMU-DRS SCHOOL – Project Surveyor for Construct Two Group responsible for layout of six new buildings, perimeter fence and verification of newly constructed site improvements. Project involved verification of AutoCAD maps of existing topographic conditions, site grading and site plans produced by others and as-built surveys. (May 2007 to present)

SR 71 – FDOT District Three/Gulf County – Project Surveyor responsible for recovery of horizontal and vertical control, existing right of way and centerline control to re-establish an alignment of approximately 1.2 miles of roadway in connection with a 3R Resurfacing project. (July 2006 to Sept. 2007)

SR 289 – FDOT District Three/Escambia County, FL – Serving as Project Surveyor for establishing an alignment along SR 289 (Ninth Avenue) and Carpenter Creek, this also included collecting data for providing a DTM, check cross-sections and setting references for design of a turn lane. This was part of a joint effort amongst firms which also required right of way acquisition. (July 2006 – December 2006)

SR 77, FDOT District Three/Washington County, FL – Currently serving as Project Surveyor providing recovery of horizontal and vertical control, alignment, extension of baseline referenced and DTM check cross-sections for approximately 3.4 miles of roadway from CR 276 to North of Blue Lake Road. This project was a joint effort with Southeastern Surveying and Mapping Corp. for road widening and preparation of right of way maps. (June 2006 to present)

SR 298, FDOT District Three/ Escambia County, FL – Served as Survey Manager in the design survey for a safety analysis and re-design of the curve located on SR 298 from west of San Sebastian Circle to East of Lapaz Street, approximately 1/2 mile. The design survey required EFB collection for horizontal and vertical location of the existing road surface, re-establishment of the alignment, recovery of project network control and centerline references, processing and checking field notes. (May 2006 – October 2006)

SR 319/SR 263, FDOT District Three/Blueprint 2000, Leon County, FL – Served as Survey Manager in coordinating survey crews for a project widening of SR 263/319 from Tram Road to Woodville Highway, approximately 2.2 miles. The widening required EFB collection for horizontal and vertical location of the existing road surface, processing and checking field notes. Coordination with City of Tallahassee utilities for locates. Project Network for Horizontal and vertical control along the corridor. (June 2005 – May 2006)

SR 10, FDOT District Three, Jackson County, FL - Served as Project Manager for a Design/Build Bridge Replacement. The project required horizontal and vertical location of the existing road surface, bridge cross-sections and detail, wetland location and preparation of T.I.F.F.T easements. A centerline of survey and vertical control was established along the corridor for reconstruction of roadway and bridge replacement. Responsible for Caice processing and DTM modeling of existing topography for engineering design. (Nov. 2004 – Sept. 2005)

SR 85, FDOT District Three, Okaloosa County, FL – Served as Project Manager for a project milling and resurfacing of SR 85 from SR 10 (US 90) to North of CR 188, approximately 2.4 miles. The resurfacing required horizontal and vertical location of the existing road surface, with site specific detail of existing curbs, sidewalks, lane lines. A centerline of survey and vertical control was established along the corridor for reconstruction of roadway and construction new sidewalk ramps. Processed CAICE files and creation of the DTM surface. (April 1999)

CITY OF TALLAHASSEE – Continuing Services Contract – Serving as Project Surveyor for the Stormwater Management Division. Design Surveys to map existing conditions for many flood related projects. Producing survey maps for the Project Engineer to create construction plans and design studies and storm analysis. Projects include Frenchtown Drainage Study, Call & Cadiz Street Drainage Improvements, Meridian Road Drainage Improvements, North Ride Drainage Inventory, Drainage Inventory of Pensacola Street at FSU Stadium, Royal Oaks Ditch Lining Project, O'Brien Drive Drainage Improvements, Salmon Drive Drainage Inventory and Improvements.

THE PRESERVE AT SAN LUIS, Leon County, FL – Project Surveyor for this 36+/- acre subdivision. Boundary and topographic work to include location of trees and natural features. This site currently platted after construction and acceptance of public roadways for a 190 lot subdivision and construction of townhomes. Responsible for supervision of field crews for layout of new buildings on critical setback restrictions. Producing a subdivision plat for recording, staking of lots, centerline of roadways, rights of way and providing asbuilt surveys.

AIRPORT COMMERCE CENTER PUD, Leon County, Florida – Project Surveyor for 76.5 Acre commercial development for St. Joe Development Company. Boundary survey involved section traverse, location of trees, utilities, topography and location of environmentally sensitive areas to preserve within the PUD. This project is viewed as a stepping stone toward future developments in Tallahassee Airport's region for industrial sites.

Similar Project Experience

Through efficient management and leadership, DRMP has garnered the trust of its clients by delivering a quality product while meeting time and budgetary constraints. DRMP is proud of our successful track record in providing consulting services to our clients. We encourage you to call any of our satisfied clients we have listed because we believe you will find a level of confidence in DRMP that is unsurpassed in the industry. The following represents a summary of the projects with which DRMP has been involved with:

Districtwide Traffic Operations Push Button Contracts FDOT District Four, Florida

This contract consisted of providing miscellaneous traffic operations design services throughout District Four. The projects include: resurfacing, turn-lane additions, median modifications, signal modifications, pedestrian feature upgrades, safety upgrades and all related components required. Projects are developed in response to traffic safety issues, public concerns and local agency requests. Contract Value \$600,000

- **SR 806 Sidewalk Installation, FDOT District Four, Palm Beach County, Florida:** Installation of new sidewalk where existing on street parking previously existed. Due to drainage concerns, trench drains were installed due to cross slope concerns of the on street parking area. Four foot handicap ramp was installed adjacent to a cast in place retaining wall which was over thirty feet in length. Work Authorization Value \$16,400
- **SR 84 at NE 136th Street, FDOT District Four, Broward County, Florida:** Roadway plans prepared for the widening of SR 84 for the extension of a Texas U-Turn lane. The widening encroached on an existing drainage ditch which had to be re-shaped and re-graded for compensatory purposes. Utility coordination was performed along with the preparation of full MOT plans, cross sections, and signing and pavement marking plans. Contract Value \$17,000
- **I-95 Ramps at Congress Avenue, FDOT District Four, Palm Beach County, Florida:** Project Manager for this project which included inside widening on the ramp from I-95 to Congress Avenue to develop a triple left turn. Widening for Congress Avenue was also performed to receive the triple lefts. Work included drainage, signalization, signing and pavement marking, utility coordination, traffic control plans and structural analysis. Contract Value \$55,950
- **I-95 NB Exit Ramp to N 10th Ave, FDOT District Four, Palm Beach County, Florida:** Project Manager for this project which included removing a free flow right turn lane from the exit ramp onto N 10th Ave due to safety issues with a pedestrian crosswalk frequently used by children attending a nearby school. An additional lane was added to the ramp geometry to account for the additional queuing since the right turn was now under signal control. Work included drainage, signalization, signing and pavement marking, utility coordination, traffic control plans, structural analysis and the development of an Interchange Operational Analysis Report for review and approval by the FHWA. Work Authorization Value \$28,000
- **SR 84 at Pine Island Road, FDOT District Four, Broward County, Florida:** Project Manager for this project which included the development of roadway plans for the widening of SR 84 for the extension of a Texas U-Turn lane. Utility coordination was performed along with the preparation of full MOT plans, cross sections, and signing and pavement marking plans. Work Authorization Value \$18,000
- **SR 7 at Riverland Road, FDOT District Four, Broward County, Florida:** Project Manager for this project which included the development of roadway plans for the installation of a raised curb along the median of SR 7 just north of I-595 to discourage motorists from making u-turns across the median. Work also included detailed drainage analysis and signing and pavement marking. Work Authorization Value \$15,000
- **SR 7 North of Colonial Drive, FDOT District Four, Broward County, Florida:** Project Manager for this project which included the development of roadway plans for reconstruction of a slip ramp entrance from a parallel roadway onto SR 7 due to safety issues. New geometry developed removed the slip ramp entrance and realigned the parallel roadway connection to for a "T" intersection with SR 7. Work included detailed drainage analysis, utility coordination and signing and pavement marking. Work Authorization Value \$16,000
- **US 27 Detection Control System, FDOT District Four, Broward County, Florida:** Project Manager for the installation of a Detection Control System at the three intersections of US 27 with Pines Blvd, Johnson St, and Griffin Rd in Broward County. The purpose of the project was to install a detection system that would detect trucks traveling at a high rate of speed as they approached the intersections and the controller would extend the green time beyond the programmed time in order to allow the trucks to pass the intersection. This was driven by the high rate of fatalities per number of accidents due to the trucks not being able to stop in time when the signals yield to the side street phase. Work included development of Technical Special Provisions for the DCS system. Work Authorization Value \$33,751
- **SR 5 at Treasure Coast Square Mall, FDOT District Four, Broward County, Florida:** Project Manager for the reconstruction of a strain pole signal to a mast arm signal. Particular design issues included a FP&L transmission easement which ran directly adjacent to the SR 5 at this intersection. Maintaining OSHA requirements while FDOT clear zone requirements and minimizing impacts to other utilities were the major part of design analysis. Work Authorization Value \$14,500
- **SR 811 Signals (Broward County) –** Project included the installation of a mast arm signal at SR 811 and NE 9th Avenue and for installation of mast arm signal for mid-block crossing south of NE 20th Avenue. Project involved utility coordination, interconnect plans, and roadway plans for installation of new pedestrian ramps. Work Authorization Value \$27,000

- **SR A1A at Cordova (Broward County)** – Project included the extension of an existing westbound left turn lane on SR A1A at Cordova Road. Plans included roadway, signing and marking and utility coordination plans. Work Authorization Value \$8,957
- **SR 80 at SR 7 (US 441) (Palm Beach County)** – Project included the installation of a Texas U-Turn lane for eastbound SR 80 off ramp at SR 7. Plans included roadway, signing and marking and utility coordination plans. Work Authorization Value \$12,498
- **SR 715 at PBCC Entrance (Palm Beach County)** – Project included the installation of a new strain pole signal at the intersection of SR 715 and PBCC Entrance. Plans included signalization, roadway and signing and marking plans. Work Authorization Value \$16,559
- **SR 9 (I-95) at St. Lucie Boulevard (St. Lucie County)** – Prepared temporary signal design plans to signalize the northbound off ramp at the I-95 at St. Lucie Boulevard off ramp. Project included signing and pavement markings and utility coordination. Work Authorization Value \$6,750
- **SR 713 at CR 608 (St. Lucie County)** – Modification of flashing signal to a full color operations signal. Plans included addition of video detection and a traffic controller cabinet. Work included detailed structural analysis. Work Authorization Value \$9,295 Reference:
- **SR A1A at SR 814** - Project consisted of converting on-street parking into a travel lane in order to provide for additional left turn lanes on the eastbound approach to the intersection. On the southbound approach, a through lane was converted to a left turn lane to provide for dual lanes for that approach. The development of the roadway plans included typical section and pavement design packages. Signalization modification plans were prepared to modify the signal operation and displays to accommodate the new lane configuration in each direction. Other work included detailed drainage analysis and design, utility coordination and signing and pavement markings. Work Authorization Value \$20,253

Project Owner/User Agency Representative

Jose Guerrero
FDOT District Four
3400 W Commercial Boulevard
Fort Lauderdale, Florida 33309-3421
P: 954-777-4079

Completion Date: Ongoing**Key Personnel Participation**

Joseph Perri – Project Manager
Juan Camacho PE – Senior Engineer
Allen Schrupf PE – QA/QC
Carlos Martinez PE – Traffic Engineer
James Highland PE – Traffic Engineer

Districtwide Miscellaneous Minor Safety Design Projects, FDOT District Three

As Engineering Consultant to the Florida Department of Transportation District Three, DRMP has been providing a broad range of services related to the design of miscellaneous minor safety projects. These include intersection improvements, lighting, signing, pavement marking, signalization, bicycle and pedestrian improvements, widening and resurfacing, and culvert analysis/replacement. DRMP provides roadway design, signalization, signing and marking, surveying, stormwater management and design, utility design, and general civil design services under this contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Project included analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street),** FDOT District Three, Escambia County, Florida: Project included design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369,** FDOT District Three, Wakulla County, Florida: Project included the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave,** FDOT District Three, Escambia County, Florida: Project included the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as drainage improvements.
- **SR 173 at Bellview Ave,** FDOT District Three, Escambia County, Florida: Project included the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave,** FDOT District Three, Bay County, Florida: Project included the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane,** FDOT District Three, Bay County, Florida: This project included the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A,** FDOT District Three, Holmes County, Florida: This project included the addition of 4-foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Project Owner/User Agency Representative

Tim Smith, PE, Project Manager
FDOT District Three
1141 Jackson Avenue
Chipley, Florida 32428
P: 850.638.2250

Completion Date: 2010**Key Personnel Participation**

Scott Early, PE - Project Manager, EOR
Jim Hagon, PE - Senior Project Engineer, Utility Coordination
Chad Friday, EI - Project Engineer
Julian Poole, EI – Project Engineer

**Lakeland In-Town By-Pass
FDOT District One, Polk County, Florida**

Prepared signalization plans for 5 locations including interconnect for new 6-lane limited access roadway. Work included extensive utility coordination, development of signal phasing and timings for the corridor, specifications development, fiber interconnect and structural design. Task Value \$42,915

Project Owner/User Agency Representative

Brian Blair
FDOT District One
801 North Broadway Avenue
Lakeland, Florida 33831
P: 863-519-2506

Completion Date: 2010**Key Personnel Participation**

Carlos Martinez PE – Senior Engineer
James Highland, PE – Traffic Engineer
Joseph Perri – Traffic Design
Allen Schrupf PE – QA/QC
Michael Leo PE – Structural Engineer

**SR 10 (Atlantic Blvd) Intersection Reconstruction, FDOT
District Two, Duval County, Florida**

Project Manager to upgrade six intersections to mast arms with fiber optic interconnect. Designs included developing specifications for fiber optic communications equipment and extensive utility coordination. Project also included developing Easement Maps for the preparation of an interagency agreement between the FDOT and City of Jacksonville for signal equipment being placed on side street Right of Way. Contract Value \$507,076

Project Owner/User Agency Representative

Leigh Ann Bennett
FDOT District Two
2198 Edison Avenue
Jacksonville, Florida 32204
P: 904-360-5565

Completion Date: 2010**Key Personnel Participation**

Joseph Perri – Project Manager
Carlos Martinez PE – Senior Engineer
James Highland, PE – Traffic Engineer
Allen Schrupf PE – QA/QC
Jocelyn Haisch Lynn PE – Structural Engineer

**SR 111 (Edgewood Avenue) Intersection
Reconstruction, FDOT District Two, Duval County,
Florida:**

Project Manager to upgrade seven intersections to mast arms with fiber optic interconnect along a two mile segment of roadway. Designs included developing Easement Maps for the preparation of an interagency agreement between the FDOT and City of Jacksonville for signal equipment being placed on side street Right of Way, specifications development for fiber optic communications equipment, extensive utility coordination and permitting for a CSX crossing. Contract Value \$431,038

Project Owner/User Agency Representative

Craig Teal PE
FDOT District Two
2198 Edison Avenue
Jacksonville, Florida 32204
P: 904-360-5565

Completion Date: 2010**Key Personnel Participation**

Joseph Perri – Project Manager
Juan Camacho PE – Senior Engineer
James Highland, PE – Traffic Engineer/Utility Coordination
Allen Schrupf PE – QA/QC
Jocelyn Haisch Lynn PE – Structural Engineer

**SR 152 (Baymeadows Road) Intersection
Reconstruction, FDOT District Two, Duval County,
Florida:**

Project Manager to upgrade six intersections to mast arms with fiber optic interconnect. Designs included developing Easement Maps for the preparation of an interagency agreement between the FDOT and City of Jacksonville for signal equipment being placed on side street Right of Way, specifications development for fiber optic communications equipment and extensive utility coordination. Contract Value \$326,652

Project Owner/User Agency Representative

Craig Teal PE
FDOT District Two
2198 Edison Avenue
Jacksonville, Florida 32204
P: 904-360-5565

Completion Date: 2010**Key Personnel Participation**

Key Staff included the following:
Joseph Perri – Project Manager
Juan Camacho PE – Senior Engineer
James Highland, PE – Traffic Engineer/Utility Coordination
Allen Schrupf PE – QA/QC
Jocelyn Haisch Lynn PE – Structural Engineer

**North South Corridor Study
City of Panama City, Florida**

The North-South Corridor Study was undertaken by DRMP under the direction of the City of Panama City to determine existing and future traffic demands within the study impact area. The study area is bounded by and includes the existing airport property on the north, Harrison Avenue on the east, 9th Street / Beach Drive to the south and Frankford Avenue to the west. Specifically, the analysis looked at existing and projected traffic circulation needs within the study impact area, including traffic volumes, travel characteristics, future conditions and mobility requirements. Initially, 11 alternatives were prepared and traffic model projections were developed. These, with coordination with the City, were expanded to 16 alternatives. The majority of these alternatives were variations or extensions of the original 11. Measures of Effectiveness (MOE's) were developed with a series of weighted factors, based on coordination with the City. Based on these weighted MOE's, the alternatives were analyzed and ranked.

Determining candidates for enhancement were limited to those facilities that could be designed to carry increased traffic due to the proposed airport redevelopment. Therefore, only collector and

arterial facilities were considered. Consequently, the following roads were considered for corridor enhancement:

- Frankford Avenue
- Lisenby Avenue
- Balboa Avenue
- Stanford Road
- Florida Avenue
- Jenks Avenue
- Harrison Avenue

In the process of considering north-south corridor candidates, several functionally classified east-west roads were considered in the alternatives analysis. They were:

- 11th Street
- 15th Street
- 19th Street
- 23rd Street
- Baldwin Road

Several of these facilities are already four-laned. Therefore, their consideration in the alternatives analysis does not necessitate enhancements beyond their existing lane geometry.

Project Owner/User Agency Representative

Mike Kazunas, PE
Panama City Public Works Department
9 Harrison Avenue
Panama City, FL 34201
P: 850.872.3015

Completion Date: 2007**Key Personnel Participation**

Ben C. Faust, PE – Project Manager
Richard F. Ranck, PE – Transportation Planner

North Florida TPO ITS Consultant**North Florida TPO**

Several ITS projects preparing plans for the City of Jacksonville ATMS System expansion project including CCTV installations at signalized intersections along Baymeadows Rd, SR 13 and Atlantic Blvd and fiber installation and traffic controller cabinet upgrades for signal communications along Main Street. Other projects include the expansion of the Clay County ATMS system to provide connectivity from the Clay County Traffic Management Center to SR 21 (Blanding Blvd), approximately 4.5 miles of fiber optic communications installation along urban arterials. Several intersections were tied to the communications network along this corridor and CCTV's installed. Project includes utility coordination and specifications development. Another task project includes the installation of CCTV's at existing signalized intersections for the expansion of the Nassau County ATMS. Project includes utility coordination and specifications development. Work Authorization Value \$25,000

Project Owner/User Agency Representative

Peter Vega
FDOT District Two
2198 Edison Avenue
Jacksonville, Florida 32204
P: 904-360-5463

Completion Date: 2010**Key Personnel Participation**

Jim Highland PE – Project Manager
Patrick Nevah PE – Senior Engineer
Nick Devito – ITS Designer
Joseph Perri – QA/QC

**Palm Beach County Signal Retiming Project
Palm Beach County, Florida**

Under this contract, DRMP is retiming 5 corridors which include a total of 88 signalized intersections across the County. This project includes the development of Before and After travel Time Studies to document the improvements, development of (5) Five Timing Plans and implementation and Fine Tuning of Timings during the Field Implementation. Contract Value - \$200,00

Project Owner/User Agency Representative

Giri Jeedigunta, PE
Signal Systems Manager – Traffic Division
Palm Beach County Engineering & Public Works
2300 North Jog Road
West Palm Beach, FL 33411
(561) 684-4168

Completion Date: 2010**Key Personnel Participation**

Juan Camacho PE – Project Manager
Carlos Martinez PE – Senior Engineer
Jim Highland PE – Senior Engineer
Vasu Persuad EI – Engineer
Joseph Perri – QA/QC

**PROCESS AND PROCEDURES FOR ENSURING
CURRENT DESIGN STANDARDS**

There are three main processes and procedures related to ensuring that current design standards, codes and regulatory direction are utilized in the project design.

First, our firm is committed to ensuring that junior and senior staff receives adequate training. This includes formal certifications, seminars and webinars, internal training and classes. Anyone attending outside training shares information learned with staff. Current knowledge of codes and regulations is a requirement for Senior Staff that participate in the Projects Quality Control Plan.

Second, knowledge of regulations and codes is not sufficient to achieving final regulatory direction. Relationships with regulatory staff and good communication are vital to getting the intent correct and achieving sound design that meets requirements and is permissible. Our intent is to maintain good relationships with regulatory staff in any agency that has jurisdiction over County work. This may include local Growth Management Departments (City and County), FDOT, FDEP, NFWFMD, Department of Health, USACOE, EPA, Wildlife Agencies and/or FEMA. Our role is to establish a good framework of the project to present to these agencies prior to final design and to clearly document the applicable rules, code or direction that is discussed with Agency personnel in pre-application coordination. This documentation becomes part of the project commitments and supplements the applicable published regulations and code. This information is required to be reviewed as part of the Quality Control Plan prior to a formal QC process.

Finally, and most importantly, a solid quality control plan is most effective in ensuring that standards and regulatory direction are adhered. Good quality control is the best line of defense to ensure that commitments and regulatory direction are met.

DRMP is extremely proud of our reputation for high quality design work for our many clients. DRMP's philosophy is error prevention by starting the job with quality people and completing the job with proper supervision. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. On each assignment, we do the following to insure that DRMP delivers a high quality design service:

- Develop a comprehensive Project Quality Control Plan specifically tailored to each task.
- Identify a QC Review Team and define their responsibilities.
- Incorporate current QC checklists amended to incorporate any special project requirements.
- Complete a full QC Review of EVERY document that leaves our office, including those prepared by subconsultants.
- Complete Phase Submittal Reports to document the design decisions as they evolve.
- Hold formal audits of QC effort with each submittal (DRMP will provide certification of the effort for County staff). QC materials are available for review at this audit.
- Complete thorough QC efforts associated with Utility Coordination, and Technical Special Provisions, Specifications Package Submittals – all in accordance with internal and client guidelines.
- Complete Project Field Review by QC Review Team staff and provide documentation.

QC of Design Phases: Design phase Quality Control involves a thorough, comprehensive review of all work completed at each phase of design completion (30%, 60%, 90%, Final). This includes checking all materials for:

- Conformance with applicable Design Standards
- Conformance with Client's Needs and Objectives
- Cost-Effective Designs
- Documents can be readily approved by Permitting Agencies
- Documents are suitable for obtaining Fair Bids
- Minimizes potential for Construction Problems

The DRMP QC Manager enlists the help of DRMP's most knowledgeable technical staff for QC review. In addition, DRMP has compiled several QC checklists which have proven invaluable in this work. These lists are an aid to the QC reviewer in organizing and completing a thorough QC review.

Upon completion of each design phase, a complete QC review plan set with all accompanying design documentation is forwarded to the QC Manager. Each sheet of the QC plan set bears the DRMP QC Stamp and is signed at the "A. ORIGINATOR" line by the employee responsible for preparing the plan. DRMP's proven QC procedure requires that the QC Manager receive a complete set of all design documents, including all component sets and subconsultant prepared design elements, prior to beginning the review. This process insures that a comprehensive QC review is completed quickly and efficiently.

Once the QC Review is completed, the DRMP QC Manager prepares the QC documentation and delivers the plan set to the Project Manager with copies to DRMP Senior Staff. All sheets are completely "Yellowed Out" or "Redlined" with corrections / comments, and signed & dated in the "B. CHECKED" line by the QC Reviewer. The QC team similarly marks up the Comment Response memo.

During the "CONCURRENCE", "INCORPORATION", and "VERIFICATION" activities, the DRMP QC Manager and QC Reviewer are available to the Project Manager to discuss comments. The final QC plan set is retained by the DRMP Project Manager and routed to project archives.

Quality Assurance Review: To assure that a complete QC review is accomplished and that all aspects of the QC Policy have been adhered to in its completion, the Project Manager and the QC Manager conduct a "Quality Assurance Review" at the end of each phase review. This QA review confirms that all elements of the design, including those elements prepared by our subconsultants, have undergone a comprehensive and unified QC Review. We verify all Transmittal packages meet scope and County requirements. Particular attention is given to construction cost and duration estimates and specification packages.

Documentation: An important element of the overall QC process is proper documentation. The DRMP QC process requires we document the materials reviewed for each phase of design and retain all check prints, design memoranda, reports, and calculations. The retention period for this material is at least seven years after the time when a project is placed into service, and this period is typically exceeded by the use of off-site archival facilities.

QC Debriefings: Assuring quality is an ongoing process, requiring periodic updates as design and construction methods evolve. Therefore, DRMP QC Manager periodically conducts an internal "QC Debriefing" between members of the QC review staff and the DRMP design staff. The purpose of the debriefing is to review the effectiveness of the QC/QA process, discuss shortcomings and possible improvements and to determine if changes can be made to the process that will insure the QC Review process runs more effectively in the future. The DRMP QC Manager is responsible for documenting and implementing any process improvements.

SPECIAL RESOURCES AND EQUIPMENT

The DRMP team uses and owns a large range of software and equipment including, but not limited to:

Scheduling Software

Microsoft Project
Primavera
SureTrak

Visualization/Graphics

Adobe Illustrator, PhotoShop, InDesign
Corel Draw Suite
Macromedia Dreamweaver
QuarkXpress

Geographic Information System

ArcCAD
ArcView 3.3
ArcGIS Desktop 9.2

ArcInfo License
ArcGIS 3D Analyst
ArcGIS Spatial Analyst
ArcGIS Data Interoperability
Arc Editor 9.2
Arc Pad 7.1

Raster Imaging/Digital Mapping

DESCARTES - Raster imaging
SUREMAPS Raster - Digital maps
IRAS/C - Raster imaging

Design

MicroStation J & V8, FDOT 2004 MR5
GeoPak and CivilPak
Bentley XM Versions of WaterCAD, WaterGems,
SewerCAD, StormCAD
Pond Pack 3.2
AutoCAD/Land Desktop, Civil 3D 2009
CAICE 10.1 SP7
XPSWMM

TRANSPORTATION/TRAFFIC

TRANPLAN - Traffic Network Analysis
SYNCHRO 6 & 7
SimTraffic
GUIDSIGN
TURNS
FSUTMS
SignView
HCS
LOS Plan
TEAPAC
SOAP
aaSidra
Cala
AGI32
Aladan
CUBE Voyager
TRANSYT 7F
Isopoint
PASSER II AND III
CORSIM

Willingness to Meet Schedule and Budget Requirements

SCHEDULING PROJECTS

Proper scheduling and timely completion of tasks and subtasks are of critical importance. As the prime consultant, we will be solely responsible for the project schedule and the quality of the work product. To this end, it is vital that subconsultants be kept informed so that they also comply with our scheduling and quality commitments. With this in mind, we will schedule work tasks to get required data to our subconsultants as soon as possible, and we will provide all team members with schedule updates at regular intervals.

Bryant A. King, PE the DRMP Team Project Manager, will serve as the primary point of contact with the Department concerning contract administration and task assignments. Mr. King will receive all written or verbal work orders issued by the County's Project Manager.

The Work Authorizations will be reviewed immediately upon receipt. Mr. King will schedule the necessary meetings to scope the project and execute the notice to proceed. Once a notice to proceed is obtained, Mr. King will update a progress chart and add it to a list of task work orders that may already be underway under this contract. Below is an example of a progress chart that DRMP has utilized on our current Miscellaneous and Minor Design Contracts. Under these contracts, DRMP had as many as 14 design task work orders underway at one time. The chart indicates the status of each Work Authorization with specific milestone dates, approvals of specific information, status of comment/responses and information related to data that may be needed to complete the plans. This type of chart is easily followed and provides the County's Project Manager with all relevant data pertaining to the projects. Mr. King will update this chart bi-weekly and provide it to the County Project Manager. In addition to this project status chart, DRMP creates project specific

FTP sites for every project to utilize in disseminating information to the client and any subconsultants.

Cost control and the development of the most economical solution are paramount to any definition of success. DRMP both actively and passively imparts cost control methods into the prosecution of all of our assignments. This results in project that both meets client budgetary expectation, and provide the most value for the dollars invested.

CONTROLLING PROJECT BUDGETS

As a means of cost control, DRMP will start this project with a written Planning Budget, worked out with the FDEP. Throughout the course of the project, the budget will be refined at schedule points, including schematic design (30% plans), design development (60% plans) and construction documents (90% plans). Whenever a discrepancy is identified, a written plan of action will be developed to resolve or accommodate the difference. In addition, a formal VALUE ENGINEERING REVIEW will be conducted at the design development (60% plans) stage on all design efforts.

DRMP brings economical solutions to all of our projects in the normal course of our business by maintaining the mindset that we have a fiduciary responsibility to our clients as well as an engineering responsibility. Much of our work is conducted for small municipalities that have limited budgets and therefore, must get the most "bang" for each dollar spent. Through continually working within these limited budgets, regular training of staff (both internal and external) in Best Management Practices, and extensive involvement in Professional Societies, DRMP keeps abreast of the best/most economical methods of service to our clients.

Contract C-8K43
Districtwide Traffic Ops Design Consultant Contract
FIN 229936-3-32-01
Consultant: DRMP

Project Name	WO Executed	Survey Received	Utility Survey Received	Pavement Cores Received	Geotechnical Info Received	Typical Section Package Submitted	Pavement Design Package Submitted	Initial Submittal	Comments Responded To	Final Plans Submitted (PDF)	Comments
SR 809 at Dyer Blvd	Yes (7/21/06)	Yes (9/29/06)	Yes (12/06/06)	Yes	Yes	Yes	Yes	5/22/2007	Yes (7/6/07)	Yes (7/13/07)	Final Signed and Sealed Plans Delivered (7/26/07)
SR 869 at Military Trail	Yes (12/20/06)	Yes (3/19/07)	Yes (6/21/07)	Use Cores From Adjacent Project	N/A	Yes	Yes	5/14/2007	Yes (7/10/07)	No	Final Signed and Sealed Plans Delivered (7/26/07)
SR 7 at Riverland Rd	Yes (10/31/06)	Yes (3/5/07)	Yes (1/24/07)	Yes	N/A	Yes	N/A	4/9/2007	Yes (6/8/07)	Yes (6/14/2007)	Final Signed and Sealed Plans Delivered (7/9/07)
SR 5 at Prima Vista Dr	Yes (4/2/07)	N/A	N/A	N/A	N/A	N/A	N/A	4/23/2007	Yes (6/14/07)	Yes (6/11/2007)	Final Signed and Sealed Plans Delivered (6/15/07)
SR 84 at Weston Rd	Yes (4/2/07)	Yes (4/30/07)	Yes (7/10/07)	N/A	N/A	N/A	N/A	7/24/2007	No	No	Awaiting FDOT Review Comments
SR 802 at Carrie Drive	Yes (6/25/07)	Yes (6/15/07)	Yes (7/26/07)	Using Pavement Design Info From Ex Plans	NA	Yes	Yes	7/25/2007	No	No	Awaiting FDOT Review Comments
SR 76 at Tahoe Terrace	Yes (4/5/07)	Yes (6/15/07)	Yes (6/15/07)	Yes (6/20/07)	NA	No	No	8/1/2007	No	No	Working Towards Initial Submittal

Recent, Current, and Projected Workload

The following chart represents our current and projected workloads.

Project Name and Number	Description	Date Complete
FDEP Van Fleet State Trail	Design of supporting infrastructure	9/2011
FDEP Marjorie Harris Carr Cross Florida Greenway-Dunnellon Trail	Design of a 2.5 mile Trail and 2 Trailheads, Bid and Construction Services	3/2012
City of Cairo, GA -Davis Park Master Plan and Reconstruction	Park rehabilitation master plan, reconstruction of park amenities, design of flood control system	12/2011
Pensacola NAS – Corry Bachelor Enlisted Quarters	Site design and stormwater permitting for building and parking facilities	6/2012
Ft. Benning GA – Maneuver Battle Lab	Site design and permitting for building and site infrastructure	6/2012
FDOT District 3 DW Safety Contract	Traffic Safety Studies, Roadway Safety Improvements, Drainage Evaluations. 5 Active Task Authorizations	6/2012
FDOT District 3 DW NPDES Contract	Support District 3 for Phase I and Phase II NPDES MS4 Permitting. 4 Active Task Authorizations.	6/2015
FDOT District 3 Yellow River Bridge Replacement	Drainage Design and Bridge Hydraulics Design for replacement of 1550 LF Bridge in Okaloosa Co.	12/2011
SCDOT Bishopville Bypass	Drainage Design and Bridge Hydraulics Design for 3 mile New Road	12/2012
Escambia County Nine Mile Road PDE	Pond Siting Report and Drainage Analysis for 2.2 mile corridor in Escambia County	6/2011
Bradford County CR 229A Bridge Replacement	Drainage Design and Bridge Hydraulics	9/2011
Panama City Beach - Tropic Winds Infrastructure Improvements	Sanitary Sewer Design and Permitting	6/2011
FDOT Central Office – EMC Water Quality Monitoring	Water Quality Sampling Project to Determine EMC on Rural Typical Roadways	12/2012
NWFWMMD Professional Engineering Services	Professional Engineering and ERP Permit Review Support Services – No current active tasks	8/2013

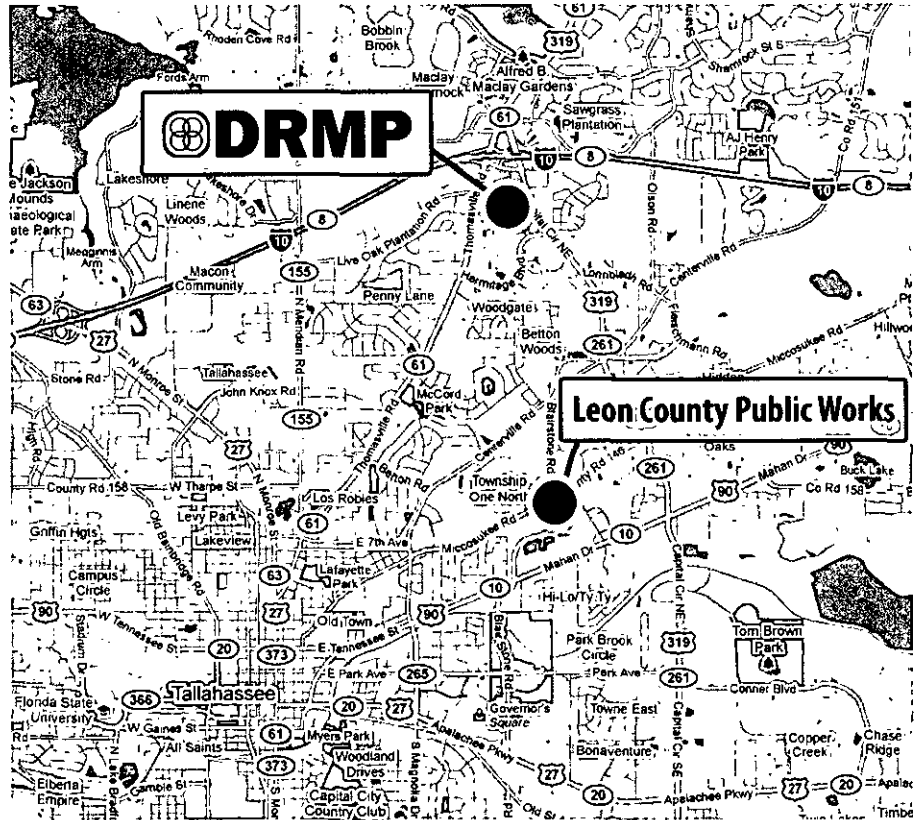
We at DRMP understand that adequate staffing levels are critical in ensuring the success of all projects. Our large staff provides flexibility to our clients which allow us to meet schedules, even with varying workloads among several projects simultaneously. All of our personnel are qualified to work on this project. With the depth of our staff, DRMP will be able to provide the necessary personnel to stay on schedule and if necessary, will utilize personnel from other offices to assist with assignments in the event of unforeseen circumstances and accelerated schedules.

For the Tallahassee office, the backlog that we are depicting reflects contracts or task orders that are under contract or approved contracts pending execution. As noted above, our backlog and project load allows DRMP to meet any new task obligations presented by the County. We are first committed to providing local service and will make staff assignments that fit geographic proximity as well as expertise.

Project Team Location

DRMP is nearby and easily accessible to Leon County! Our corporate headquarters is only 4.4 miles (12 minutes) from Leon County and our staff is available and committed to providing quality services to the County. We have served local municipalities from this office in the past and believe our location enables us to provide these services to the County in the most efficient and cost-effective manner possible. The County can rely on the complete support and resources of the firm, and our 33 years of consulting experience. We are an established firm whose staff is never more than a phone call or short trip away whenever needed, and our resources and offices are here for the long haul.

Note: Our organizational chart includes staff from other offices as we plan to utilize staff from other area offices to provide corporate expertise and accelerated production capacity. We also propose to use local subconsultants to assist with successful project completion.



Approach to the Project

UNDERSTANDING OF SCOPE

DRMP has extensive experience in intersection and minor roadway design through its previous continuing engineering contracts throughout the State of Florida. Our design experience ranges from minor projects such as right turn lane widening up to major roadway widening and new alignment. DRMP has the personnel and experience to meet any traffic engineering design needs Leon County may have. DRMP understands the key to success on these assignments is a thorough evaluation during the design phase of: traffic control, minimizing impacts to existing utilities, side street and driveway connections, pedestrian access as well as conformance to ADA requirements, bicycle access, environmental impacts, handrail locations and guardrail locations.

Preparation of minor geometric improvement plans

Intersection improvement projects are typically introduced to reconcile an operational issue or safety issue requiring additional capacity or geometric improvements to alleviate the condition. These types of projects are typically a fast paced, minimal cost type of project to identify and address the required work to implement the required solution. DRMP has held traffic operations contracts that deal with these very circumstances since 2001 and has completed the design and construction of over 100 work authorizations in this timeframe. These include turn lane additions/extensions projects, signalization projects, ADA projects, signing and pavement marking projects, milling and resurfacing projects, lighting projects, and ATMS projects. The goal for all of these projects addressed operational, capacity or safety issues which were alleviated after construction was completed.

DRMP will work with the County to implement the required improvements as necessary to address the issues aforementioned. Our staff will develop the plans, required specifications, obtain necessary permits, perform utility coordination, develop estimates, and provide the necessary post design services needed to assist the County and construction staff through the construction phase. DRMP will also assist in preparing for public meetings that are required for a project.

Preparation of Signalization Design Plans

The preparation of signalization plans is often done as part of a larger roadway improvement project, however with continuing service contracts it is often done as a stand alone project for intersection improvement. DRMP traffic engineering staff have a great deal of experience on these type of signalization design projects through our past continuing service contracts. Our approach to these projects begins with data collection. Once the topographic and right-of-way information has been obtained, the design of the signal project will take place. During the data collection phase, DRMP will contact Sunshine One Call for each project location to get an understanding of the location and number of utilities present in the project area. Then during design, a field review is conducted to place the proposed signal equipment clear of the marked existing utilities. DRMP will then proceed with the signal design work toward an initial submittal. During the design DRMP will look at design options for mast arms which may present cost savings to the County. These options for mast arms may include the following:

- The use of dual mast arms. The use of this option is typical in applications where pole placement is not possible due to various quadrants of an intersection being congested with utilities or there is a lack of existing right-of-way for the placement of the pole while maintaining ADA compliance or clear zone requirements.
- Placement of poles within the sidestreet right-of-way away from the major street curbline. Typically, the major street corridors contain several utilities between the curbline and the right-of-way. By placing the pole down the sidestreet right-of-way, utility conflicts can be avoided. Some of these locations may require minor curb work to extend the existing radius returns to protect the poles.

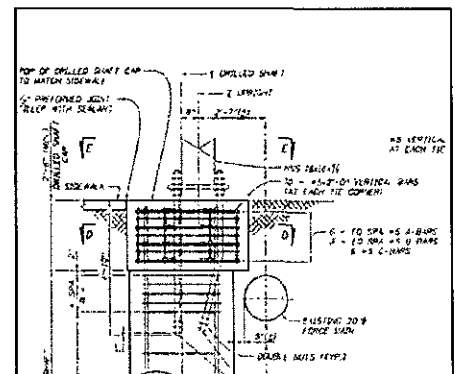
Prior to proceeding with design of the signalization, DRMP's engineers will work with City of Tallahassee and Leon County personnel to evaluate the most efficient intersection operation by evaluating phasing and timings. SYNCHRO analyses will be prepared to document the signal operating performance. Once the operation is determined, the signal design plans will be prepared which includes all relevant information such as signal head details, timings, detector information, topographic layout including intersection design with appropriate station/offset information and pay items.

DRMP will coordinate with the City and County to ensure all the latest signal design preferences are included (i.e. opticom needs, controllers, detection, color preferences, etc...). DRMP will also review the need for any ITS elements such as fiber interconnect or CCTV installation in conjunction with the signal installation. All preferences, interconnect and ITS related information will be included in the 60% plans.

DRMP understands that utility coordination can have a severe impact a signal project's schedule. For this reason DRMP will begin the utility coordination process in earnest at the onset of the task work order for these types of projects. DRMP will provide the conceptual plans to the utilities as soon as the survey information with the centerline and right-of-way lines are obtained and the proposed signal poles have been laid out for use by the utility agencies to provide information related to the location, type and size of their existing facilities. This information is utilized in performing the Subsurface Utility Engineering (SUE) work discussed further in the section.

To address structural design requirements, we anticipate using FDOT standard foundation designs and details where ever applicable.

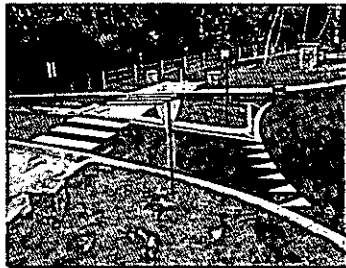
If special situations require unique designs for foundations, we will follow FDOT and AASHTO design criteria and details. We have tremendous experience in special design foundations to



avoid utility conflicts. An example of which is shown in the graphic above, where we utilized an offset drilled shaft in order to avoid conflicts with a 20-inch force main.

The DRMP Team will conduct soil investigations to evaluate soil conditions for foundation requirements. The presence of unsuitable material will be investigated and a proper remediation plan developed as appropriate. We will finalize the design criteria and make certain of the appropriateness of the criteria for the assignment. Upon finalization of field surveys, data collection, utility identification, etc., the design will be completed and construction drawings will be finalized.

Preparation of signing and pavement marking plans



DRMP will develop all signing and pavement marking plans utilizing all current Leon County standards and preferences and the latest version of the 2009 MUTCD.

When practical, bike lanes will be accommodated on all signing and pavement marking designs and ADA accommodations will be incorporated into the designs for all pedestrian crosswalks.

DRMP will review the need for audible markings on rural roadways with County staff. Crash history will be reviewed to determine if audible markings would alleviate any crash patterns and are warranted for installation.

Preparation of intersection studies

Traffic studies apply to a wide range of projects from a qualitative assessment of a simple intersection, to a major corridor study that looks at the operations of a network of major arterials as a system. To identify the best possible solutions, it is important to engage experienced staff with an extensive knowledge of traffic operations and the tools that can be utilized to support the evaluation. When conducted properly, a traffic study can yield an array of potential solutions that range from low-cost/ minimal impact to more substantial improvements that provide for long-term operational needs.

The recommendations of a traffic study must balance project-specific constraints with operational requirements, and consider input received from stakeholders. For constrained corridors, low-impact enhancements such as changes to existing signal timing or phasing, or establishing coordinated signal operation may offer years of benefit before other capacity improvements can be made. For some corridors, development of an access management plan may offer significant operational and safety benefits with little to no need for additional right of way.

For larger planning or design projects, a traffic study may involve development of future traffic projections or development of a design traffic report. The development of project traffic is typically an important step in developing viable engineering alternatives for a project, whether on existing or new alignment. Key tasks in developing a thorough traffic analysis include:

- Detailed evaluation of existing travel demand conditions

(capacity and level of service)

- Development of design year travel demand forecasts
- Development of design year level of service analyses
- Interim year forecasts and level of service analyses
- Determination of functional geometric requirements
- Development of a staged implementation plan, if necessary

Existing conditions analyses include an evaluation of travel demand and traffic characteristics, which are typically the basis of future-year assessments, such as development of design-year K, T, and D factors. To document the need for improvement, the traffic study identifies existing capacity and operational deficiencies in conjunction with potential design deficiencies and safety problems that may be present. This documentation highlights areas that are then the focus for developing improvement alternatives.

The development of future-year traffic projections is accomplished through application of the appropriate traffic simulation model.

These results will be compared to forecasts based on historic growth trends and the future year projections will be derived from a combination of these two methods. Following approval of the future year projections, future year peak hour volumes are then derived from the appropriate design year K, D, and T factors. A level of service analysis is then conducted to determine the basic number of lanes, intersection configurations, and/or the need for interchange modifications (or new interchanges), if applicable.



Data collection truly serves as the backbone for all traffic and transportation and engineering tasks. Accuracy and precision of traffic data are crucial in proper signal and roadway design, as well as concurrency management, traffic projections and traffic impacts. DRMP traffic engineering staff will work closely with our data collection subconsultant to ensure that data collection is accurate and on schedule. Daily, seasonal, and historical variations of traffic on a roadway will be closely reviewed. DRMP will provide a final level of quality control for each assignment.

Preparation of intersection studies includes performing analyses and preparing reports in conjunction with the Manual of Uniform Traffic Studies (MUTS) and the MUTCD. This work may include:

- **Multi-Way Stop Warrant Analysis** – The purpose of this study is to determine if existing traffic characteristics and accident history warrant the installation of a multi-way stop signs. The traffic engineer will apply quantitative analysis and qualitative assessments to recommend sign installation or other improvements for the purpose of improving traffic flow.
- **Traffic Signal Warrant Analysis** – The purpose of this study is to determine if existing traffic conditions satisfy the warrants for signalization. The traffic engineer will apply quantitative analysis and qualitative assessments to recommend the installation or removal of a traffic signal, and/or other improvements for the purpose of improving traffic flow.
- **Intersection and Corridor Safety Analysis (Access Management Study)** – The purpose of this study is to review the accident history along a corridor to determine potential improvements

which could eliminate potential conflict points or potential safety device installations which could help mitigate the accidents. This includes investigating the applicability of shared access driveways, alleys, and internal circulation roads to minimize potential conflict points and reduce crashes.

- **Speed Limit Studies** – The purpose of this study is to determine safe speeds in which vehicles can negotiate a given segment of roadway. The use of test vehicles, ball bank indicators and digital measuring instruments are typically used.

Intersection Geometry and Signal Phasing Analysis – The purpose of this study is to analyze the level of service of a particular intersection or roadway segment and implement measures to improve by adding lanes to add capacity or revising signal phasing and timing. DRMP utilize state-of-the-art software to conduct analyses and obtain measures of effectiveness. Improvement strategies will minimize right-of-way impacts and business/residential disruptions while maximizing the use of Transportation System Management options.

DRMP has a full complement of transportation engineering and planning staff experienced in the task items listed. With our experience as the Transportation Continuing Engineering Services provider for municipalities, counties and the Florida Department of Transportation, our staff has regularly conducted reviews of impact studies to ensure adequate roadway capacity and acceptable traffic operation. Our overall goal is to protect the capacity and operation of the existing transportation infrastructure, including the provision of safe access between the roadway and development parcels.

Preparation of Concurrency Studies

Concurrency is a term used in the 1985 Growth Management Act to mean that infrastructure necessary to maintain an acceptable level of service would be in place when a development was built. The State has struggled with roadway concurrency for the last 20 years. Only recently has new growth management legislation been enacted to help mitigate concurrency issues over the past 20 years. The new growth management legislation institutes a "pay-as-you-go" overhaul of the old act, and reduces the time the prior law allowed for state roadways to be funded from five years to three years, matching them to local roadway requirements.

The DRMP Team is well versed in the Concurrency Management legislation, and several members of the team have written concurrency management ordinances for counties and municipalities. We understand and are experienced in the multi-modal aspects of the new legislation, and can offer Leon County many years of experience addressing the needs for infrastructure.

RESPONSIVENESS, SCHEDULING AND EASE OF ADMINISTRATION

DRMP is very experienced with the administration of continuing services contracts. We have been working continuously with various clients for these types of projects since 2001. Our experience with all types of Continuing Services contracts dates back to 1984, when DRMP was selected for the very first FDOT District Five Districtwide Traffic Operations contract.

We understand the County staff is the client and as such, it is our responsibility to act as an extension of the County staff completing the work effort for each project thoroughly and completely. Responsiveness and communications are key components to this process.

With our experience gained through the completion of over 36 FDOT Districtwide contracts and over 20 County and City Continuing Services Contracts, the DRMP Team has developed a project administration plan that will efficiently coordinate work efforts through the use of defined channels of communication and management procedures. This standardized approach will enable us to administer multiple overlapping project schedules that are being performed by multiple team members.

The County Project Manager will be kept well informed at all times. However, recognizing that the County Project Manager may be managing multiple projects at the same time, DRMP will strive to minimize the County's day-to-day involvement by: 1) obtaining needed information ourselves, 2) maximizing electronic information transfer (e-mail, FTP sites), 3) conference calls, and 4) providing prompt meeting minutes. We will schedule progress meetings as often as the County Project Manager desires, and she will be provided with monthly progress reports that include action items that also identify the individual responsible for following up. We will also coordinate the County's Project Manager's availability prior to scheduling meetings with other agencies.

Quality Control/Quality Assurance

DRMP is extremely proud of our reputation for high quality roadway design work for our many clients. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. We have prepared a detailed description of the DRMP Quality Control and Quality Assurance process included in Tab B of this document.

Process and Preparation of the Design Plans

DRMP's approach to the task orders assigned under a Continuing Services Contract is a logical process that starts with meeting the County's Project Manager to perform a field review and define the scope of work. This pre-scoping meeting will involve reviewing all elements such as ADA, drainage, pavement condition, guardrail, turn lane lengths, median openings, signing, signals, and lighting. Engineers from each discipline will attend the field review to elicit input from the various specialists having work involved in the project.

Once the scope of work is defined, a review of the data available which can be utilized during the design process will be performed in order to reduce the efforts of the design and thus minimize the hours needed. DRMP's Project Manager, Bryant King, PE, will work with the County's Project Manager to determine the adequacy of all information to determine what will be utilized. Once this effort is completed, DRMP will prepare staff hours for the project and submit them for review and approval. Negotiations for the staffhours will follow before they are finalized.

Once the Notice to Proceed is obtained, DRMP's Project Manager will schedule an internal meeting with the design team members to review the scope of work, schedule, budget, data collected to be utilized with the design and critical path items. At this meeting, the controlling design criteria will be discussed and identified so that all team members are well aware of the design requirements.

In those cases where the survey is provided, a team field review will be scheduled early with all relevant team members to walk the project and review the survey to determine if inconsistencies exist. During this field review, non-standard issues will be reviewed in

order to identify if they meet County standards, AASHTO or Greenbook criteria. Resolutions will be identified for these non-standard issues and those that cannot be easily resolved will have cost estimates developed for further review by the County. Specific elements that are reviewed include horizontal and vertical curves, superelevation rates and transitions, cross slope, horizontal clearance and access management.

Upon completing the field review and identifying elements which need to be addressed during the design phase, the Engineers Estimates will be prepared for the County to provide the construction costs for the project. This Estimate will be updated several times during the design process.

Utility companies having facilities within the project limits will be identified and contacted. The utility coordination process will begin early on in the project schedule. Maps will be acquired from the utility companies having facilities within the project corridor. These maps will be utilized during the design phase to identify the facilities and any conflicts for coordination purposes. Utility meetings will be held to discuss the project with the utility agencies and document any conflicts that may exist with the proposed design. Any adjustments that can be made to alleviate the conflict either with the design or adjustments to the utilities will be determined and documented. Utility adjustment sheets will be prepared and Utility Work Schedules will be obtained prior to the final submittal of the plans.

Right-of-Way will be reviewed to ensure the proposed improvements will not necessitate right-of-way acquisition. If Right-of-Way acquisition is required, the limits will be identified early on to start the Right-of-Way acquisition process. Discussions will be held with the County as to who will be responsible for the development of Right-of-Way drawings. Once this has been established and the survey is completed, title searches will be performed and the Right-of-Way acquisition may.

All available information to develop plans will be reviewed. The project schedule will be reviewed and adjustments made if necessary. In-house coordination meetings will be performed to disseminate all applicable information and review staffing needs. Critical Path items will be identified and scheduled.

If roadway improvements are involved, the Typical Section and Pavement Design Packages will be developed and used as the guide for design. Design criteria items identified in the Typical Section Package which are used to guide the design and set geometry are design speed, traffic information and lane widths. This information will be provided to the County at the Concept Design submittal for concurrence.

DRMP's local staff and Project Manager also understand specific design issues that are unique to Leon County. We have recently complete a major design project, Capital Circle SE from Woodville Highway to Tram Road for Blueprint 2000. DRMP was responsible for preparing preliminary design documents, including right of way maps. We also participated in the design build phase, responsible for drainage, lighting and QA/QC. Recently, we completed the resurfacing plans for Mahan Drive from Apex Drive to east of Interstate 10 for FDOT District Three. As a team including DRMP Staff, we have experience with numerous issues that are unique to Leon County. These include, but are not limited to:

- Closed Basins
- Karst Geology
- Wetlands
- Successional Forests
- Socially Significant Trees
- Canopy Roads
- Historical Sites
- Archeological Sites
- ADA Compliance
- Special Water Quality Standards (Lake Jackson Basin, Bradfordville Standards)

DRMP can provide full service drainage support for our roadway design efforts. We are very well versed in County and FDOT drainage design standards. Drainage design will be approached with a philosophy of ensuring public safety and providing a permit compliant design, while minimizing or eliminating right of way needs, avoiding project delays by effective utility coordination and minimizing or reducing impacts to environmental features. Our approach will be to coordinate early with utilities and state and local regulatory agencies to identify critical issues. The need for stormwater ponds will be clearly documented with alternative locations if additional right of way needs to be purchased. The drainage collection system will be designed to meet state and local code with design emphasis on utilities, maintenance and constructability.

DRMP will be responsible for coordination with the regulatory agencies so that each design effort is properly directed toward permit approval. DRMP can ensure a smooth approach for the permitting requirements by following these steps: A Pre-Application Meeting will be held between the County Project Manager, DRMP and all agencies (including state and local agencies if needed) that will require permits on the projects prior to 60% plan development. DRMP shall prepare a permit package based on preliminary coordination and the regulatory agency's requirements at the time of submittal. DRMP will prepare a narrative for inclusion in the permit application package that describes all work being performed on this project, impacts to the environment and methods of construction specifically related to the environmentally sensitive areas to aid the regulatory agency reviewer in understanding the scope of the project.

DRMP's lead environmental scientist, **George McLatchey, PWS**, and our Project Manager (and Tallahassee area drainage and permitting expert), Bryant King, PE, will coordinate with the Traffic Task Manager in developing a design that will minimize impacts by following the above described permitting process to ensure a permit is secured for each project. George and Bryant have worked closely on projects for many years and provide strong leadership, especially in dealing with the challenging permitting conditions that may arise on task assignments in Leon County.

The size and scope of a typical project is considered early in the process and DRMP scientists and engineers will work to minimize environmental impacts. *Additionally, staff will take a streamlined approach to keep projects exempt which are below regulatory thresholds.* When the need arises, DRMP staff will perform environmental assessments, along with the necessary documentation and agency coordination with the County Growth Management, FDEP, NWFWM and ACOE in accordance with regulatory guidelines.

For the local regulations on projects in the Leon County, the Natural Features Inventory (NFI) is the identification phase in which significant features such as wetlands, trees, floodplain, threatened or endangered species, etc are identified. The second phase (EIA) describes any impacts and minimization and offset methods. The Leon County regulations would consider most minor design projects to fall under the provisions of a Public Sector Linear Infrastructure project which allows a greater percentage of the site to impact protected natural features.

Traffic Control Plans for projects assigned under this contract will be prepared in accordance with FDOT and County Policy. FDOT Policy and the MUTCD regulations are constantly changing and improving, however, DRMP staff remains fully aware of current requirements as a result of Allen W. Schrupf's position as a teaching instructor in Advanced MOT. All maintenance of traffic plans prepared by DRMP, from the simple projects to the complex, are reviewed by Allen to insure that they comply with the most current requirement as well as good design and construction practice.

DRMP will develop maintenance of traffic plans for every project utilizing input on lane closure restrictions from the County staff, requirements from other agencies (FDOT, City of Tallahassee) and community leaders. As a part of our contract we will provide close coordination and develop plans that minimize impact to roadway users while still providing the County with a cost effective and flexible project construction schedule. We also typically coordinate with emergency management officials to ensure that concerns about emergency evacuation and important events are addressed.

The Subsurface Utility Exploration (SUE) work associated with each design task assignment will begin prior to the 60% design submittal. Performing this work early in the design process will identify conflicts and allow time for resolution. DRMP has the staff and equipment to meet all the County's SUE expectations. The need for precise utility information has consistently increased as utilities are placed underground with little or no accurate documentation of their location. DRMP's SUE services provide our clients with the capability to utilize reliable underground utility information in the design process or during construction. Through the use of state-of-the-art equipment and by applying professional implementation of ASCE Quality Standards, DRMP can prevent unnecessary utility relocations, eliminating unexpected conflicts, enhancing accuracy of project designs and increasing safety. We can save the County time and money by implementing the following levels of subsurface utility exploration and location on each project as appropriate:

- Research (Quality Level D)
- Field Investigation (Quality Level C)
- Utility Designation (Quality Level B)
- Utility Location (Quality Level A)

Before any project begins our staff will acquire and review any existing As-Built information and Utility Records that may impact the project limits. Please note that this information is very useful for planning but is frequently inaccurate and should not be relied upon. Once the initial research is complete, our survey staff will finalize this effort by verifying the As-Built and Utility Records obtained previously with existing field conditions. This also provides us the opportunity to discover any utilities that may have been overlooked in the research phase.

With the research and field investigation, DRMP staff will coordinate with utility owners and begin the subsurface utility designation utilizing electro-magnetic (EM) and ground penetrating radar (GPR) techniques to create a two dimensional map of the utilities. DRMP will also "Sweep" back through the project corridor using the same techniques to identify the existence of underground utilities that were not identified in the utility research phase. During the process of the field work, DRMP will take detailed notes regarding the type, size, and ownership of the utilities, if known. This information is documented utilizing field sketches on a Subsurface Utility Form. The first initial survey of the marked utilities will take place during this process and will be checked in the office for errors and omissions by the SUE technicians and manager creating a horizontal map of the utilities designated.

If deem necessary in conflicting areas as identified by the designers, DRMP will then locate utilities by physically exposing them and recording the vertical and horizontal location of the underground utility or structure. The test hole will be performed using vacuum excavation equipment (Vacmaster 4000) and will determine the depth of the utility from existing grade and its estimated size and material. A Test Hole Report will be prepared summarizing the information and an additional itemized detailed report summarizing the information from all of the Test Hole Reports will be delivered to the designer and County staff.

DRMP will prepare a Design Documentation Book, which will contain the approved Typical Section Package, Approved Pavement Design, design calculations, approved variations and exceptions and all documents relevant to the decisions made during the design process for the 60% production. Quality Control and constructability reviews will be scheduled prior to the submittal. The engineers estimate will be reviewed and adjusted prior to the 60% submittal. After receipt of 60% comments, plans will be updated as necessary. These updated plans will then be utilized for the utility contacts and used as the basis of discussion during the utility coordination meetings which will then be scheduled.

The 60% submittal will be provided to the permit agency with the necessary permitting forms for processing and review. All comments received from the 60% review from both the County and the permitting agency will be addressed and a resubmitted to the permitting agency with the 90% submittal in an effort to obtain the permit prior to the plans being finalized.

Upon receipt of 60% comments, production will move forward to the Phase 90% submittal. Comments will be responded to by compiling all comments into one document. DRMP will coordinate any comments which may create a significant cost increase to the project or potentially change the scope of the project with the County Project Manager. DRMP's Project Manager, Bryant King will meet with the County staff to review and discuss these additional items that are being requested through the review phase. Our staff is very cognizant of the economic constraints in this economic climate and will not add additional construction costs to the project without bringing it to the attention of the County's Project Manager.

For small scale projects, DRMP can accelerate the schedule by going straight from a concept review stage to 90% submittal in order to meet the needs of Leon County.

The development of the 90% plans will include the development of any Technical Special Provisions necessary. As the approval of any

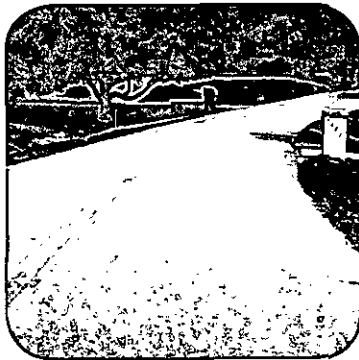
Technical Special Provisions has to be completed prior to the submittal of the full specifications package, it is important to obtain a concurrence or incorporate any review comments on any TSP's prior to submitting 90% plans. DRMP will work with the County to obtain approval of the specifications prior to completing the 90% submittal.

Prior to submitting the 90% plans, the Engineer's estimate will be updated with the current items and quantities. The plans, computation books, design documentation and specifications will go through a rigorous QA/QC process including a constructability review by our CEI staff. DRMP will utilize our CEI division in a peer review role for all submittals.

Upon completion of the 90% plans submittal and receipt of comments, DRMP will incorporate all comments and prepare the final plans and specifications package submittal.

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CONTRACTOR INFORMATION

Firm name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Office Location: 1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

Contact Person: Bryant A. King, PE.
P: 850.562.9600
E: bking@drmp.com

EXECUTIVE SUMMARY

Firm Overview

Dyer, Riddle, Mills & Precourt, Inc. (DRMP) has been in business since 1977 as a multi-discipline firm serving clients in the public, private and industrial sectors in the development of infrastructure for the community-at-large. We currently have 14 office locations spread strategically across the southeastern United States.

Our staff is capable of managing a project from the early planning stages through design and into construction administration. Founded on a standard of excellence, our growth and success is based on our commitment to tailor our multi-discipline services to effectively develop quality design solutions that are cost effective and delivered within the agreed upon timeframe. Today, DRMP is ranked among *Engineering News-Record's* "Top 500 Design Firms" in the United States.

Firm Capabilities

Subdivision and Site Development Services

The changing needs of communities and the economic base needed to maintain infrastructure continues to be an ongoing challenge for governmental agencies today. DRMP understands that both of these elements must be addressed in order to meet both the needs of the municipality and the desires of the local community. The common neighborhood has been revolutionized to represent a functional community with open green spaces, close proximity amenities and a livable environment that blends with the surrounding area. DRMP is well acquainted with blending the elements of this "New Urbanism" into the planning and engineering design that is required to ensure a community functions.

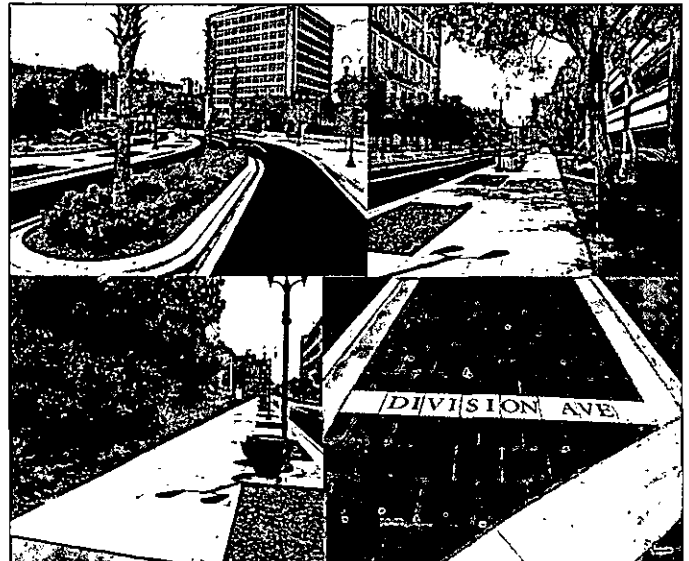
DRMP has been involved with providing General Civil Engineering services under continuing contracts since its inception in 1977. Through these contracts, we have been involved with a number of local communities in redeveloping their communities' infrastructure from complex projects such as streetscaping an entire historic downtown area to site development for a new public complex.

To accomplish projects of this nature, we dedicate a client manager and team to serve as an extension of your staff to coordinate and facilitate the planning, engineering and surveying resources needed to balance the project design with permitting and client requirements. With this dedicated client manager and team in place, DRMP instills a client-focused approach allowing for immediate response and results from project inception to completion.

Our approach is constant no matter the complexity or size of the project scope. By providing personal and interactive attention to each project assigned, DRMP utilizes innovation and value engineering in combination with our technical expertise and industry knowledge to manage a project from the conceptual phase through

construction and into post design. We provide the following services to our municipal clients:

- Assistance in the Development of Funding
- Civil Engineering Design
- Construction Administration
- Construction Inspection
- Cost Estimating
- Drainage Design (minor projects)
- Grant Writing
- Master Planning
- Paving, Grading and Drainage
- Permitting
- Public Involvement
- Serving as an Extension of Staff
- Site Development
- Transportation Design (local roads)
- Utility Design



AUTHORIZED REPRESENTATIVES

Authorized Representatives declare that DRMP's proposal for Stormwater Engineering is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.

Bryant A. King, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bking@drmp.com

Ben C. Faust, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bfaust@drmp.com

**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Jon S. Meadowst

Signature: Jon S. Meadowst, PE

Title: Principal-in-Charge

STATE OF Florida
COUNTY OF Leon

Sworn to and subscribed before me this 17th day of March, 2011

Personally known ✓

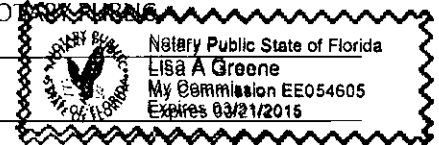
OR Produced identification _____

(Type of identification)

Lisa A. Greene

Notary Public - State of Florida

My commission expires: _____



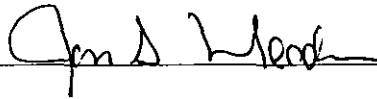
Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: Title: Principal-in-ChargeFirm: DRMP

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this completed Insurance Certification Form, signed by the company Risk Manager or authorized manager with risk authority.

- A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

Business Auto:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

- 1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

If answer is NO, provide name and address of insurer:

- 2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

Required Policy Endorsements and Documentation

Certificate of insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.


Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

Coverage is in place Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Daniel M. DeLaRosa
Typed or Printed

Signature 

Date 3/8/11

Title Vice President
(Company Risk Manager or Manager with Risk Authority)

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.

_____
Signature_____
Principal-in-Charge

Title

DRMP

Contractor/Firm

1435 East Piedmont Drive, Suite 210, Tallahassee, Florida 32308
Address

LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	
Current Local Address: 1435 East Piedmont Drive, Suite 210 Tallahassee, Florida 32308	Phone: 850.562.9600 Fax: 850.575.5544
If the above address has been for less than six months, please provide the prior address.	
Length of time at this address:	
Home Office Address: 941 Lake Baldwin Lane Orlando, Florida 32814	Phone: 407.896.0594 Fax: 407.896.4836

Jon S. Meadows
Signature of Authorized Representative

March 17, 2011
Date

STATE OF Florida
COUNTY OF Leon

The foregoing instrument was acknowledged before me this 17th day of March, 2011.

By Jon S. Meadows, PE, Principal-in-Charge, of DRMP,
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

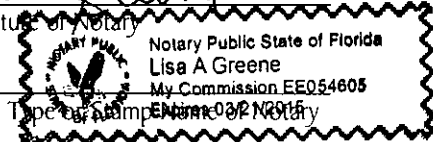
a Florida corporation, on behalf of the corporation. He/she is personally known to me
(State or place of incorporation)

or has produced _____ as identification.
(type of identification)

Lisa A. Greene
Signature of Notary

Notary Public State of Florida
Lisa A. Greene
My Commission EE054605

Print, Type or Stamp Name of Notary



Return Completed form with supporting documents to:

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

Title or Rank

Serial Number, If Any

Ability of Professional Personnel

It is our philosophy and approach to provide the best available talent in our organization to each project and, if necessary, to utilize outside support due to expertise, cost, scheduling or location issues. A major strength of DRMP is our depth of experience and expertise, both in our project managers and our technical staff. This background, combined with our underlying company philosophy of meeting client needs in the most timely and cost-effective manner, has contributed significantly to our long-term success.

We have assembled the members of this project team based on professional experience, completion of similar projects in the local area and ability to perform the tasks required for this continuing contract. Additionally, these project team members have experience in working under a contract that requires completing task assignments on an on-call basis.

AVAILABLE STAFF RESOURCES

DRMP's professional staff has extensive experience in the services required under this Subdivision and Site Development Engineering Continuing Services Contract. DRMP's General Civil Division includes 25 individuals devoted solely to Subdivision and Site Development Services Contracts. These individuals have a wide range of experience in both the design and study areas with the necessary skill set to meet the requirements of this contract. The following table is a listing of these individuals with their experience and availability.

Project Team	Areas of Expertise												
	Years of Experience	Roadway/Sidewalk Design	Site Development/Design	Utility Design	Environmental Analysis/Permitting	Drainage Design	Structures	Architecture	Mechanical/Electrical/Plumbing	Landscape Architecture	Survey/Right-of-Way	Geotechnical	Percent Availability
Eric Gooch, PE	12	X	X	X	X	X	X						65%
Ben C. Faust, PE	19	X		X									15%
Allen W. Schrupf, PE	34	X	X	X	X	X							20%
J. Emery Swearingen, Jr, PE	36	X	X	X	X	X							20%
David C. Lowe	42	X	X	X	X	X							20%
Jim L. Hagon, PE	14	X	X	X									65%
Eric M. Brown	12	X	X	X	X	X							65%
Chris D. Towne, PE	13	X	X	X	X	X							65%
Robert M. Moon, PE	11	X	X	X	X	X							45%
Travis N. Shannon, EI	5	X	X	X	X	X							60%
George P. McLatchey, CEP, PWS	17				X								45%
Douglas A. Skurski, PWS	10				X								45%
Bryant King, PE	17	X	X		X	X							60%
Peeter Mannik, PE	53						X						45%
Jocelyn M. Haisch-Linn, PE	11						X						45%
Randolph G. Lewis, AIA (MLD)	23							X					50%
Iain Harnden, IIDA, LEED AP (MLD)	10							X					50%
J. David Malcolm, ASLA (WPI)	16								X				50%
Kristen M. Mansfield, ASLA, LEED AP (WPI)	7								X				50%
Michael S. Hartman, PE	40							X					50%
Matthew T. Scaringe, PE, LEED AP, CxA	15							X					50%
Jeffery R. Lance, PLS	19									X			35%
Barbara Bergstrom, PSM (Poole)	29									X			35%
Myron L. Hayden, PhD, PE	38										X		35%

PROJECT MANAGEMENT

DRMP's project management method is based on providing Leon County with superior project administration and coordination. This

will ensure that the County receives the highest quality work products and services while minimizing the County's staff's required input and contract management. Our project team is structured to assign a highly-qualified project manager to: (1) act as the primary

point of contact; (2) monitor the work product; and (3) assist the County in developing and scoping individual work tasks. The primary task of the project manager is to coordinate all resources of the project team to ensure we are able to:

- Provide comprehensive services for any task assignment;
- Create a strong working relationship with the County staff, built on mutual trust and professionalism in the development and implementation of project and program objectives;
- Work effectively as an extension of the County's staff to provide the required services, in a highly-efficient, cost conscious and professional manner;
- Handle issues and concerns as quickly and effectively as possible as they arise;
- Ensure that solutions are developed that are not only technically correct, but are also consistent with the needs of the community, and advance the effective implementation of adopted goals, objectives and policies.

Project Manager Eric Gooch, PE will ensure that the County receives the services they need and deserve. This position is to make certain that resources are available when, and to the degree necessary, and to monitor the County's measure of satisfaction. He will resolve any concerns that may arise, and act as an additional objective manager in the Quality Assurance process. As Project Manager, Mr. Gooch's main responsibility will be to serve as the primary point of contact for the County; develop a comprehensive project scope; monitor the project schedule; and ensure quality control is conducted on work products. Mr. Gooch will also negotiate contracts, coordinate with subconsultants and review agencies and oversee the technical, financial and schedule aspects of the project. He is responsible for the successful completion of each task.

Ben C. Faust, PE serves as DRMP's Vice President-in-Charge. Mr. Faust will ensure Mr. King has all of the staffing and resources necessary to meet the schedule demands and experience requirement of this contract.

Chris D. Towne, PE will assist with Roadway/Sidewalk Design. Site Development/Design. He has worked on many types of Civil Engineering projects throughout his career, including roadway, bridge, airport, structural, drainage, water, sanitary sewer and site design. He brings a strong background in general civil engineering for municipal clients and recently provided services for an ARRA funded project for FDOT District two to rehabilitate sidewalks.

Robby Moon, PE will assist with overall site design and will provide technical expertise necessary to give Leon County a quality project. Robby currently serves as the Department Manager for DRMP's Civil Engineering Department in Orlando and has worked on many similar projects as requested in the RFP.

Bryant King, PE will provide local general civil engineering support for the project. As the Tallahassee Office Leader, Mr. King participates and is familiar with all work that is produced in the Tallahassee Office.

SUBCONSULTANTS

The DRMP Subconsultant Team has been assembled for this contract not only for their specific expertise but also to continue and build on DRMP's relationship with these experts gained on past similar experience. DRMP has established relationships with these subconsultant firms and has worked with each firm on previous assignments throughout the state.



WOOD+PARTNERS, INC. (WPI) was founded in 1988 and is recognized as a leader in providing park design, recreation planning and landscape architecture services throughout the Southeast. With offices in Hilton Head Island, SC, Atlanta, GA and Tallahassee, FL, the firm currently practices in states ranging from Virginia to Louisiana and Florida. WPI offers park design, recreation planning, urban design, community and resort planning, and Landscape Architectural services to clients throughout the Southeast and Caribbean. Their staff's experience over the past five years ranges from master plans for many active and passive use parks with facilities for the entire family, regional community parks with athletic complexes, historic and interpretive parks, open space parks, riverwalks and waterfront development to and neighborhood parks as well as city and county-wide comprehensive recreation needs assessments. This extensive and diversified experience has helped the firm's staff develop a tremendous base from which to draw when providing detailed park design services (please refer to section two of this submittal illustrating our Team's recent and distinguished experience in more detail). Their firm has provided park and recreation planning services for numerous communities that include Tallahassee, FL; Ormond Beach, FL; Quincy, FL; Panama City, FL; Naples, FL.



Environmental and Geotechnical Specialists, Inc. (EGS) will be providing specialty services to the design team. EGS is highly qualified and has an outstanding work experience within the panhandle of Northwest Florida. The staff at EGS has been providing professional services since 1992. EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services.



Poole Engineering & Surveying, Inc.

is a Florida firm located in Tallahassee, which has operated continuously in the engineering and surveying field for over 30 years. Surveying has been a part of Poole since its inception in 1975. **Barbara Bergstrom, PSM** serving as Corporate Surveyor along with Kevin O'Neal as Project Surveyor is responsible for managing our Survey/CAD Technicians and field crew personnel for all projects. Both surveyors have over 20 years experience in all facets of surveying and have proven skills in their profession for providing the quality work our clients expect. With our experienced survey personnel, Poole has the ability to expand quickly into several crews, as the demand requires. Projects include Drainage Inventory for Frenchtown Master Drainage Study, Call/Cadiz Street Stormwater Improvements, Meginnis Creek Drainage Ditch and proposed Re-alignment for City of Tallahassee Stormwater Division, and the survey work for WRS in the remediation effort for Cascade Park as well as design surveys for many major apartment complexes, commercial developments and residential subdivisions in the local panhandle areas.



For over 30 years **H2Engineering, Inc.** these relationships have developed and maintained our success and continue to be the cornerstone of our growth. H2Engineering has a staff of 22 professional, technical and administrative personnel. Their staff is

large enough to handle complex projects and the rigid schedules common place in today's market, yet flexible enough to provide individualized attention to the smallest projects. H2Engineering has a corporate office in Tallahassee, Florida. Professional services provided through coordinated operating departments: Mechanical (HVAC, Plumbing and Fire Protection), Controls/Automation, Telecommunications and Electrical. For specific projects, professional personnel from these departments are brought together in a Project Team to take advantage of the collective experience of all relevant disciplines. Since its inception in 1977, H2Engineering has worked on more than 1,700 projects with a construction value in excess of \$1 billion.

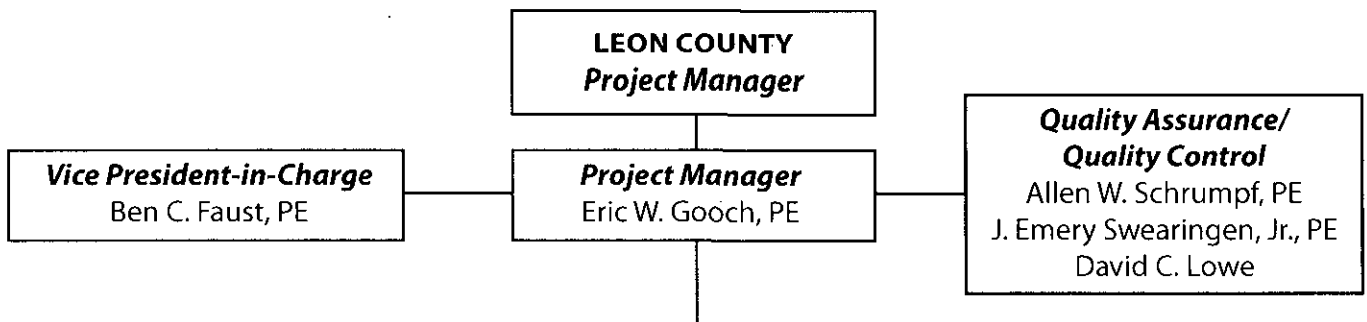
MLD Architects, inc. MLD Architects is a full service architectural firm with several award winning projects. Our services include design, construction documents, bidding, and construction administration services for both new and renovation construction projects. MLD Architects (formerly Manausa Lewis & Dodson Architects) is an innovative, service oriented firm, with almost thirty years of experience. The firm was established by C. Trent Manausa, AIA, in 1979, and was known as C. Trent Manausa, Architect Inc. In 1984, Randy Lewis, AIA, joined the firm following the completion of a master's degree in Architecture, and became a full partner in 1987. The firm changed its name to Manausa Lewis and Dodson Architects Inc. in 1998. Iain Harnden joined the firm in 2000 and is the Senior Architectural Project Manager. The firm currently employs a full time staff of two registered architects, one registered interior designer, four graduate architects, LEED AP designers, CAD operators, and support staff

Leon County

Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal No. BC-03-17-11-25



SUBDIVISION AND SITE DEVELOPMENT ENGINEERING



Roadway/Sidewalk Design

Jim L. Hagon, PE
Eric W. Gooch, PE
Eric M. Brown
Chris D. Towne, PE

Environmental Analysis & Permitting

Bryant A. King, PE
Eric W. Gooch, PE
George P. McLatchey, CEP, PWS
Douglas A. Skurski, PWS

Survey

Jeffrey R. Lance, PSM
Barbara J. Bergstrom, PSM

Site Development/Design

Eric W. Gooch, PE
Eric M. Brown
Chris D. Towne, PE

Mechanical/Electrical/Plumbing

Michael S. Hartman, PE
Matthew T. Scaringe, PE, LEED AP, CxA

Drainage Design

Bryant A. King, PE
Travis N. Shannon, EI

Landscape Architecture

J. David Malcolm, ASLA
Kristen M. Mansfield, ASLA / LEED® AP

Utility Design

Eric W. Gooch, PE
Eric M. Brown

Public Involvement

Robert M. Moon, PE
Bryant A. King, PE

Architecture

Randolph G. Lewis, AIA
Iain Harnden, IIDA, LEED AP

Structures

Peeter Mannik, PE
Jocelyn M. Haisch-Linn, PE

Geotechnical

Myron L. Hayden, PhD, PE

SUBCONSULTANTS

Environmental & Geotechnical Specialists, Inc.
H2 Engineering
MLD Architects, Inc.
Poole Engineering & Surveying, Inc.
Wood & Partners, Inc.



Eric W. Gooch, PE

Project Manager

Years of Experience

12 Total
2 With Firm

**Professional
Registration/Certification**
Professional Engineer
No. 61686, Florida, 2004

Professional Engineer
No. 030227, Georgia, 2005

Certification
Georgia Erosion and
Sedimentation Control
Designer
No. 000008912

Education
Bachelors of Science in Civil
Engineering, Florida State
University, 1999

PROFESSIONAL PROFILE

Eric W. Gooch, PE is a Professional Engineer of DRMP and is currently a project engineer for civil, drainage and stormwater projects, Site Development and Design, Recreational projects. His chief responsibility is project design, construction plans and specifications, performing stormwater analysis and preparing drainage calculations and quality assurance/quality control. Mr. Gooch has worked as a sole proprietor engineer and also as a professional engineer for other design firms. He has a vast range of design and construction experience from design of utilities, stormwater infrastructure, subdivisions and associated roadways to the small and large scale site development commercial projects and parking lots. He currently works in DRMP's Tallahassee office and is proficient in such computer programs as AutoCAD, ICPR, ASADv3 and XPSWMM.

RELEVANT PROJECT EXPERIENCE

Diddie Road Subdivision, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, as well as all other requirements to meet the City of Tallahassee Land development standards for this small residential subdivision.

AmSouth Bank, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards. Permitting for this project included FDEP and City of Tallahassee.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Responsible for modeling and identification of current stormwater flood areas and alternatives to remedy the situation as well as the completion of an in-depth analysis report of all findings and alternatives. There was a combination of ICPR and HEC RAS used on this project to complete the modeling process.

Lonnbladh Road Drainage Study and Design, Leon County, Florida: Responsibilities included the revision of an in depth ICPR basin study and multiple design alternatives to determine a best community fit plan to help reduce flooding on the Northeast quadrant of Tallahassee. Permitting for this project included local agencies, FDEP and ACOE wetlands permitting. This project was located and designed such that the existing stream and wetlands would only be minimally impacted allowing the low flow conditions and wetlands to remain unaltered in the post development condition.

Miccosukee Park Master Plan and Design, Leon County, Florida: Responsible for all master planning for rural sports complex of baseball and soccer fields, tennis courts, basketball courts as well as associated seating and ADA accessibility. The master plan and design included grading, drainage, timber retaining walls and technical specifications for all specialty options provided for.

Orange Avenue Roadway Improvements, Leon County, Florida: Responsible for the design and relocation of water and sewer distribution systems and assisted with the design of stormwater and drainage improvements to the project which consisted of a 2 lane urban road section with open ditch improved to an urban 4 lane section with closed box culvert system along the improved roadway.

ABC Liquors, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards for commercial developments.

Select Medical Long Term Acute Care Facility, Leon County, Florida: This project was a large site development project with a subdivision process. Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards.

Davis Park Improvements, City of Cairo, Grady County, Georgia: This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre, Gazebos and stormwater improvements to help alleviate flooding downstream of Davis Park while providing for a user friendly environment.

St. Marks Trail Vault Restroom Permitting and Design, Leon and Wakulla County, Florida: Responsible for complete design and permitting of prefabricated concrete vault restrooms for FDEP Office of Greenways and Trails in 4 areas. This project involved grading, drainage, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. The permitting in Leon County consisted of Department of Health and Leon County Growth Management Site Plan Approvals, Wakulla County permitting included Site Plan Approval for each site as well as Site Plan Permitting with the City of St. Marks.

Maneuver Battle Lab, Ft. Benning, Georgia: Responsible for all site and stormwater design consisting of and design of all new stormwater infrastructure, utilities, site plans, parking areas, loading area to meet the State of Georgia, Base, LEED Standards as well as ACOE standards and requirements.

Corry Station BEQ, Pensacola, Florida: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base.

Community House Road Improvements, Mecklenburg County, North Carolina: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the City of Charlotte and State of North Carolina standards for the roadway improvements on the Community House Road Improvements. Improvements consisted of the installation of grassed medians, turn lanes and the addition of curb and gutter and sidewalk to the existing roadway alignment.

6th Avenue NW Roadway and Drainage Improvements, City of Cairo, Grady County, Georgia: Responsibilities on this project included design, permitting and stormwater modeling of this access roadway for the northwest neighborhood in the City of Cairo. This project included the design of headwalls, cross drain piping, roadway and associated improvements to facilitate access during storm events. Georgia EPD permitting, ACOE wetland permitting and local agency permits were required for this project.

Lake Underhill Road, Orange County, Florida: Responsible for Master Plan Report and quality control for the Alternatives Report of the ICPR alternatives modeling process. This project consisted of the determination of viability of a four lane road section versus the existing two lane section and closing in a roadside ditch and piping via box culvert to the existing location.

Withlacoochee Bay Trails, Citrus County, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved water and sewer distribution systems (public well and commercial septic system), roadway design including site distance determination, turn lane requirements, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections.

Marjorie Harris Carr Cross Florida Greenway, Dunnellon Trail, Citrus and Marion County, Florida: Responsible for design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved roadway design for the multi purpose trail including site distance determination, turn lane requirements and analysis for the associated parking areas, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. This project included multiple parking areas and extensive utility coordination and permitting.

Navarre Beach Boat Ramp, Navarre, Florida: Responsible for design and permitting of a new boat ramp with associated floating docks and parking area for the Florida Fish and Wildlife Conservation Commission. Amenities include floating docks, 3 lane boat ramp, restroom facility with associated utilities and large parking area for vehicular and trailer parking which accommodates over 100 vehicles and trailers. ACOE and FDEP wetland permitting and local agency permits were required for this project.

Navarre Beach State Park, Navarre, Florida: Amenities included full service campground with bath house, off grade pavilions, Parking Lots, Sidewalks, Walking Trail, restrooms and boardwalk. Responsibilities on this project included, ACOE/FDEP wetland permitting and local agency permitting, roadway design, stormwater and utility design, design of boardwalks and dock into the Santa Rosa Sound, roadway design, ADA accessibility review of all aspects of this project to ensure access as well as construction inspection and as-built certifications.

Nature Coast State Trail, Dixie, Levy and Gilchrist Counties, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP, Bureau of Design and construction. The trail included multiple pedestrian and vehicular bridges as well as the conversion of an existing railroad bridge to a pedestrian bridge across the Suwannee River. ACOE and FDEP wetland permitting and local agency permits were required for this project.

St Marks Boat Ramp, St Marks, Florida: Responsible for design and permitting of a new boat ramp with associated floating docks and parking area for the Florida Fish and Wildlife Conservation Commission. Amenities include floating docks, new 2 lane boat ramp, restroom facility with associated utilities and large parking area for vehicular and trailer parking which accommodates over 50 vehicles and trailers. ACOE and FDEP wetland permitting and local agency permits were required for this project.

Blackwater Heritage Trail & General James A Van Fleet State Trail Vault Restroom Permitting and Design, Santa Rosa, Polk and Lake Counties, Florida: Responsible for complete design and permitting of prefabricated concrete vault restrooms for FDEP Office of Greenways and Trails in 2 different locations along each trail. This project involved grading, drainage, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. The permitting in Santa Rosa County consisted of Department of Health permits only. The permitting in Polk and Lake County consisted of Department of Health permits and site plan permits for both sites as they were located in different counties

Ben C. Faust, PE

Vice President-in-Charge



Years of Experience

19 Total
10 With Firm

Professional Registration

Professional Engineer No.
52624, Florida, 1999

Education

Bachelor's of Science in Civil
Engineering, University of
Central Florida, 1991

Professional Affiliation

Transportation Committee
Member, FICE, 2010

State Director for Gulf Coast
Chapter, Florida Engineering
Society, 2010

Planning Commission, City
of Lynn Haven, FL

Certification

Work Zone Traffic Control

PROFESSIONAL PROFILE

Ben C. Faust, PE is a Vice President of DRMP and Area Leader for oversight of DRMP's engineering operations in the Florida Panhandle. He serves as the project manager for a range of major and minor projects for state, municipal and private clients. His experience includes all phases of project development from planning and programming, through design and land acquisition to final construction.

RELEVANT PROJECT EXPERIENCE

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Vice President-in-Charge for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Faust provided oversight and allocated resources for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** This project includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** The design of this 0.5 mile project included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** The design of this signalization project includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** The design of this project includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This project includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Group 05-01 Resurfacing Design Contract, FDOT District Three, Washington and Gulf Counties, Florida: Project Manager for two resurfacing projects including milling and resurfacing, adding turn lanes, intersection analysis and pedestrian safety improvements.

Group 03-5 Resurfacing and Minor Design Contract, FDOT District Three, Escambia County, Florida: Project Manager for a group of four projects in the Pensacola area including milling and resurfacing, adding turn lanes, intersection redesign, signalization, drainage improvements, sidewalk and public involvement (\$6M construction cost).

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Vice President-in-Charge for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Vice President-in-Charge for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

Tapestry Park Land Company, Panama City Beach, Bay County, Florida: Project Manager for a 62-acre PUD in Panama City Beach. Includes master planning, design, construction documents and permit approval for mixed use development including neo-traditional urbanism residential subdivision.

Continuing General Planning Services for the West Florida Regional Planning Council (WFRPC), Florida: Vice President-in-Charge for General Planning Services for the Florida-Alabama, Okaloosa-Walton and Bay County Transportation Planning Organizations (TPOs). Services under this contract include, TPO administration, unified planning work program, public involvement process, regional coordination, data collection, GIS data analysis, transportation improvement programs, long range transportation plans, transportation system management, freight and goods movement planning, public transportation planning, bicycle/pedestrian systems planning, transportation disadvantaged program, air quality planning, corridor planning and preservation, congestion management process, intelligent transportation system (ITS) planning, and any other services to fulfill the needs of the West Florida Regional Planning Council. DRMP's current tasks under this contact include:

- **Regional Freight Network Plan for FL-AL, Okaloosa-Walton & Bay County TPOs**
- **SR 77 Corridor Management plan**
- **SR 85 Corridor Management Plan**
- **Bay County Long Range Transportation Plan**
- **Bay County Transit Plan Major Update**
- **Regional ITS Plan for FL-AL, Okaloosa-Walton & Bay County TPOs**
- **Engineering Services Support for the Bay County TPO Transit Maintenance & Administration Facility**

19th Street Traffic Study, City of Panama City, Bay County, Florida: Project coordinator for the study of two miles of 19th Street in Panama City to determine existing and projected traffic capacity requirements and to prepare design improvement recommendations for roadway and intersections based on results of study.

Districtwide Miscellaneous Land Planning Contract, FDOT District Three: Project Manager for a full-service land planning contract to provide support to the Department's right-of-way appraisal and roadway design efforts. Contract includes land planning analysis, development of parcel cure plans and highest-and-best use scenarios and cost estimates.

SR 77 Land Planning Contract, FDOT District Three, Bay County, Florida: Project Manager for a land planning contract to provide support to the Department's right-of-way appraisal efforts for miscellaneous parcels on the SR 77 project in Bay County. Contract includes land planning analysis, development of parcel cure plans, highest-and-best use scenarios, and cost estimates.

Front Beach Road Community Redevelopment Agency, City of Panama City Beach, Florida: Program Manager for a full-service staff extension contract with the City of Panama City Beach. His responsibilities include complete staffing, oversight and administration for the planning, financing, design and construction of \$400M in capital project improvements, including roadway, drainage, utility, streetscaping, parking structures, transit planning and operation, and development and coordination of public/private partnership projects. Also includes the oversight and administration of a significant eminent domain acquisition program. Administration duties include building and maintaining the work program and budget, schedule, and manpower management, funds coordination, and oversight for a full range of consultant service providers.

West Orange Trail Phase III, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on new alignment and city roadway including site development and permitting for a trailhead with paved parking and restrooms, RE wall design, and analysis for pedestrian overpass at US 441. The project plans were prepared to Orange County bid and award criteria.

Clermont - Minneola Bike Trail, FDOT District Five, Lake County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed connecting the cities of Clermont and Minneola. Project required close coordination with the cities and included an elaborate waterfront park with seawalls, pavilions, decorative pavement, parking areas, lighting, restrooms, and a clock tower.

Lake Fran - Dr. Smith Bike Trail, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on new alignment and city roadway including site development and permitting for a trailhead. The project plans were prepared to City of Orlando bid and award criteria.

Wekiva Trail, FDOT District Five, Seminole County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed in Seminole County. Project design required close coordination with county personnel and with adjacent residents and homeowners associations. Project plans include a decorative 100 foot span AASHTO beam bridge over the Little Wekiva River, various boardwalks, walls, two trailheads, a signalized intersection, decorative signage and landscaping.

Allen W. Schrumpf, PE

Quality Assurance/Quality Control



Years of Experience

34 Total
17 With Firm

Professional Registration/Certification

Professional Engineer No. 41673, Florida, 1989
Professional Engineer No. 29374, Alabama, 2008
Professional Engineer No. 032366, Georgia, 2007
Professional Engineer No. 27051, New Jersey, 1981
Professional Engineer No. 033463, North Carolina, 2007
Professional Engineer No. 25742, South Carolina, 2007

FDOT Maintenance of Traffic Advanced Certification, Florida, No. ORL-AMOT-23171 (10/12/2012)

Education

Bachelor's of Engineering, Stevens Institute of Technology, 1976

Professional Affiliation

American Society of Civil Engineers
American Society of Highway Engineers
Florida Engineering Society, Florida Institute of Consulting Engineers, Chair – Specifications Review Subcommittee
Florida Greenbook Committee, Chair – Work Zone Safety Subcommittee

Instructor

Advanced Level - Work Zone Traffic Control
Advanced Level Refresher – Work Zone Traffic Control

PROFESSIONAL PROFILE

Allen W. Schrumpf, PE is the Director of Quality Control (QC) for the Transportation Division of DRMP. In that role, he is responsible for developing all project quality control plans, supervising all QC reviews, and preparing QC documentation. He also provides these review services to other consulting firms and public agencies on an independent contract basis.

He has also delivered seminars on the methods to administrate an effective Quality Assurance /Quality Control Program at FDOT Project Management Training and APWA conferences. To date, his review efforts number in excess of 500 different transportation projects in study phase and final design phase, and of all sizes and types.

RELEVANT PROJECT EXPERIENCE

RURAL AND URBAN ARTERIALS (FDOT MAINTAINED)

Mr. Schrumpf has provided QC services for more than 250 projects throughout nearly all seven of FDOT Districts involving resurfacing, widening, "transportation enhancements", sidewalk improvements, or reconstruction. Some involved bridge replacements (a few were of considerable length), new structures, pedestrian overpasses, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

MUNICIPAL ROADWAYS

Mr. Schrumpf has provided QC services for more than 200 projects throughout all of Florida, involving resurfacing, widening, "transportation enhancements", sidewalk improvements, bridge improvements, drainage system improvements, roadway reconstruction and new roadway alignments. Some also involved bridge replacements, new structures, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

CONSTRUCTABILITY REVIEWS

In particular, Mr. Schrumpf provided constructability review services under a Districtwide Contract for FDOT, District Five where he reviewed more than 50 projects (totaling \$750 million in construction) in a one-year period.

FINAL DESIGN

Mr. Schrumpf has also been in charge of the preparation of all engineering designs, plans, and specifications for improvements to all types of roadways. He has supervised all aspects of design, as well as permitting documents and Post-Design services during construction.

SR 542 Resurfacing Projects, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

I-4, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

US 301, Manatee County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

SR 82, Charlotte County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction project in the historic downtown area of Fort Myers, including scenic lighting enhancements, as well as extensive utility and drainage systems upgrades to serve this area of the city.

US 41 over the Gordon River, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening project from six-lanes to eight-lanes, bridge replacements, and specialized drainage/utility/lighting improvements.

International Drive Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new six-lane arterial with specialized decorative paving details at intersections. The improvements included extensive provisions for development of the area. Plans included potable water, sanitary and reuse lines, as well as coordination with electric and communications utilities.

Pinebrook Road Extension, Sarasota County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new four-lane arterial provided the neighboring developments more direct access to I- 75 since a new interchange was built adjacent to the project. Stormwater management ponds were configured to appear more natural to the area.

Vick Road Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new two-lane arterial, expandable to four-lanes with scenic enhancement elements (decorative brick screen walls and wrought iron fences, as well as extensive landscaping of the medians and roadside areas were part of the improvements).

Rock Springs Road Widening Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from three-lanes to five-lanes, including bicycle path features that will eventually become part of the West Orange Trail that stretches from Winter Garden to northern Apopka.

Mount Dora Alley Reconstruction, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction of an existing urban facility with paving blocks was part of Mount Dora's ongoing program of revitalization of their historic business district.

Immokalee Road Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes, with the capability of expanding to a six-lane facility once warranted due to the rapid development of this section of Collier County.

CR 951 Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes. This involved two projects.

TRAFFIC CONTROL PLANS

In addition to being in complete charge of the projects listed above, Mr. Schrupf has served as the Project Engineer in responsible charge of development of Traffic Control Plans, while allowing the Contractor a means of completing the required improvements. Therefore, he must understand all aspects of the design plans, and their interdependency.

Ivey Lane Widening, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for roadway widening project from two-lanes to four-lanes included the replacement of a large drainage pipe.

Suncoast Parkway - Section 5, Florida's Turnpike Enterprise, Hernando County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

Western Beltway Section 602 and 603, Orange County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

US 192 Widening, Osceola County, Florida: Project Engineer for traffic control plans Widening from four-lanes to six-lanes/realignment.

Seminole County Expressway, Seminole County Expressway Authority, Seminole County, Florida: Project Engineer for traffic control plans of a new expressway with interchanges.

SR 35 Widening, Polk County, Florida: Project Engineer for traffic control plans Widening from three-lanes to five-lanes.

Northern Turnpike Signing Improvements, Florida's Turnpike Enterprise, Osceola, Orange and Lake Counties, Florida: Project Engineer for traffic control plans Replacement of nearly all signing, including several sign structures along about 50 miles of Florida's Turnpike.

Roadway Lighting Replacement on Matthews Bridge over the St. Johns River, Duval County, Florida: Project Engineer for traffic control plans for roadway lighting replacement on Matthews Bridge over the St. Johns River.

Haines Street Expressway Lighting improvements, Duval County, Florida: Project Engineer for traffic control plans for improving lighting along the Haines Street Expressway.

Miscellaneous Minor Design Projects, FDOT District Two, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

Miscellaneous Minor Design Projects, FDOT District Three, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

SR 19 Drainage Improvements, Lake County, Florida: Project Engineer for traffic control plans.

Lake Lorna Doone/Tampa Avenue Drainage Improvements, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for flood relief to improve the existing drainage systems within the vicinity of the project.

Lake of the Woods Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans.

Guernsey Basin Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans for streetscape improvements as well as the addition of traffic calming (roundabout).

CR 540A Widening, Polk County, Florida: Project Engineer for traffic control plans for roadway widening from a two-lane rural roadway to a four-lane urban divided highway.

SR 434 (Alafaya Trail) Widening, Seminole County, Florida: Project Engineer for traffic control plans.

Because of Mr. Schrupf's comprehensive experience in Traffic Control Plans Development, he now serves as a Part-time Instructor in both categories of ongoing technical education:

- Advanced Level - Work Zone Traffic Control
- Advanced Level Refresher – Work Zone Traffic Control

David C. Lowe

Quality Assurance/Quality Control



Years of Experience

42 Total
32 With Firm

Education

Valencia Community
College, 1973

Awards

Florida Engineering Society
Engineering Technician of
the Year, 1981

American Society of Civil
Engineers Engineering
Technician of the Year, 1999

PROFESSIONAL PROFILE

David C. Lowe is a Senior Project Manager in the General Civil Department where his responsibilities include managing civil site design for hospitals, medical office buildings, commercial site development, subdivisions and theme parks.

Mr. Lowe's experience has given him a broad range of expertise. His work has included projects from small commercial site plans to large shopping centers. He has worked on large phased subdivision communities that have spanned eighteen years. His duties have ranged from drafting to the senior project management level. His best qualities are his ability to work with people and perform whatever task is required of him to get the project completed and submitted on time.

RELEVANT PROJECT EXPERIENCE

Montessori School, Orange County, Florida: Mr. Lowe is the Project Manager and Designer for this 1,800 sf expansion to an existing school with modification to the parking and drainage system. The site required a balancing of pervious/impervious surface area to avoid the construction of a large stormwater pond. The site was permitted through SJRWMD, and Orange County commercial site plan review process.

LeeVista Center, FamLee Investment Company, Orange County, Florida: Mr. Lowe is DRMP's primary contact for the 1,956 acre LeeVista Center Project. He sits on the Design Review Board and reviews all projects that are permitted at LeeVista. His duties also include assisting the owner in preparation of cost estimates and coordination with prospective buyers. His role also includes monitoring and overseeing the design and permitting of the master drainage system.

JubiLee Park – Master Development Plan, Orange County, Florida: Project Manger in charge of the preliminary Master Plan civil site infrastructure design for a three phase 1064 unit apartment complex. The first phase consisted of 330 units. His responsibilities were to oversee the preliminary site grading and stormwater system design for the site and the 1,700' extension of Hazeltine National Drive from its existing terminus to Goldenrod Road. Mr. Lowe 's duties consisted of weekly conference calls with all the disciplines, attendance at the City's preliminary meetings and Technical Review Meetings.

Allstate at the Summit, Orange County, Florida: Mr. Lowe was the Project Manger in charge of the civil site infrastructure design and permitting for a 24 acre office park with four office buildings, each containing 144,000 sf and 3 parking garages.. His responsibilities were to oversee the site design, permitting, construction observation and project certification.

Cox Lumber Yard and Truss Assembly Plant, Seminole County, Florida: Project Manger in charge of the civil site infrastructure design for the modification of an existing lumber yard/truss assembly plant to include a proposed 25,000 sf truss assembly building, 12,000 sf mill shop and 8,000 sf office/showroom building, 59 automobile parking spaces and 3 acres of pavement for truck parking, loading and storage of materials. The site was later expanded to adjacent property crossing a major drainage ditch to include and additional 36,000 sf truss assembly building addition. His responsibilities were to oversee the site design, permitting, construction observation and project construction certification. The project included the demolition of existing structures and the extension of an existing railroad spur.

Hazeltine National Drive, Orange County, Florida: Project Manger in charge of the design and permitting for a 1,600' extension to an existing road in LeeVista Center. The four-lane divided roadway included drainage, potable water, sanitary sewer collection system and a reclaimed water main extension. The roadway pond was designed to collect future stormwater. His responsibilities were to oversee the site design, permitting, construction observation and project certification.

Winn Dixie Distribution Facility, Orange County Florida: Senior Designer for the 1,000,000 sf distribution complex. He was in charge of oversight of the civil site infrastructure design, including the grading, sanitary collection system, water distribution system and stormwater collection systems. Close attention to grading for the tractor trailer traffic circulation and storage were required. The existing automobile parking area was reconfigured and additional 115 automobile parking spaces were added to the site with an additional 150 tractor-trailer parking spaces added. His responsibilities were to oversee and assist in the preparation of the grading and drainage plans and site utilities.

Country Club of Mount Dora, Lake County, Florida: Mr. Lowe was a Senior Designer for the Country Club of Mount Dora's (CCMD) site drainage assessment and design repairs. CCMD was trying to annex into the City of Mount Dora but needed to repair existing drainage structures that had failed. Mr. Lowe assisted in the remedial design and cost accounting for a law suit that the CCMD was bringing against the contractors who had initially performed the drainage construction work. Mr. Lowe was in attendance at CCMD's Community Development District meetings and assisted in advising them of the remedial construction progress and cost of repairs. His responsibilities were to assist in the preparation of the remedial plans and cost summary.

Palisades, CanAm Palisades, Lake County, Florida: Mr. Lowe was the Project Manger in charge of the civil site infrastructure design for a 465 lot subdivision. His responsibilities were to oversee the site design, permitting and construction observation. The project has environmental constraints because it abuts the Palatlahaha Marsh, which is considered Outstand Florida Waters (OFW). Special consideration was required in permitting this project with the St. Johns River Water Management District (SJRWMD).

Twelve Oaks, Lennar Homes, Volusia County, Florida: Mr. Lowe was the Senior Designer for the paving, grading, and drainage infrastructure design for a 458-lot subdivision. His responsibilities were to oversee the site design and assist in plans review and permitting.

Lake Forest, Seminole County, Florida: Mr. Lowe was the Project Manger in charge of the civil site infrastructure design for a 733 lot subdivision. His responsibilities were to oversee the infrastructure design, permitting and construction observation for 33 of the 37 sections. The permitting included the infrastructure plans and plats through Seminole County, FDEP water and sewer and SJRWMD for the ERP and MSSW permits.

Heathrow Woods – Phase 1, Seminole County, Florida: Mr. Lowe was the Project Manger in charge of the civil site infrastructure design for a 104 lot subdivision. His responsibilities were to oversee the infrastructure design, and permitting. The permitting included the infrastructure plans and plats through Seminole County, FDEP water and sewer and SJRWMD permits.

Cypress Gardens Butterfly Aviary, Polk County, Florida: Mr. Lowe was the Project Manger in charge of the civil site infrastructure design for the grading of the butterfly garden walkway and a stormwater drainage retention/detention system. Because of the view and the close proximity of the area to the lake a retention pond was not practical so a stormwater exfiltration system was designed. His responsibilities were to oversee the site design, permitting, construction observation and project certification.

Sea World Shark Attack Attraction, Orange County Florida: Mr. Lowe was the Senior Designer in charge of the civil site infrastructure design for the grading of the walkways and queue area for the attraction. Close attention to grading around existing landscape areas and avoiding existing drainage and utility lines while maintaining walkway grades that were compliant with ADA standards were required. His responsibilities were to prepare the grading plan and drainage plans.

Adventist Health System Regional Headquarters, Adventist Health System, Orange County, Florida: Mr. Lowe is the Senior Designer for the Due Diligence and Conceptual design of a 25 acre site and Construction Plan development of the Phase I of this plan on 14 acres in the City of Altamonte Springs. This site will be the location of the Adventist Headquarters 150,000 sf building with parking and access roads as well as the stormwater management system and potential future development (up to 540,000 SF development). The site issues include the location of a floodplain on site as well as significant muck areas. The site has been assessed from an infrastructure perspective and recommendations have been made for site layout for pond, building, roadway and parking locations to provide for the most cost effective layout. The wet stormwater pond includes a reuse volume to meet recharge requirements, pollution abatement volume, flood attenuation, and floodplain compensation. Permitting obtained through SJRWMD, City of Altamonte Springs, FDOT, FEMA, and FDEP. Individual responsibilities included: design the site grading and secondary drainage systems and coordinate with other disciplines to achieve continuity of design. He is also involved in the permitting with Altamonte Springs, Florida. He prepared the submittal packages, attended the Development Review Committee (DRC) meetings and prepared the response to DRC comments.

Florida Hospital Altamonte Springs Campus, Florida Hospital, Seminole County, Florida: Mr. Lowe is the Project Manger in charge of the civil site infrastructure design for the six-story, \$60 million hospital expansion project. His responsibilities are to oversee the site design, permitting, construction observation and project certification. The project included the addition of 155 new beds, relocation of the existing emergency department, design of a new ambulance access roadway for the emergency department, relocation of the entrance roadway, signalization for the entrance road and SR 436, design of a central energy plant and relocation of the oxygen farm.

Florida Hospital Altamonte Springs Campus Laundry Delivery Area, Florida Hospital, Seminole County, Florida: Included within the campus area revisions to the site grading to accommodate a new laundry delivery/service area. The work included modification to the existing Patient Services Expansion approved plans and permitting the revisions through Altamonte Springs.

Florida Hospital Altamonte Springs Campus Uptown Café, Florida Hospital, Seminole County, Florida: Adjacent to the new laundry delivery/service area an existing outdoor dining area was renovated. Mr. Lowe's work included the site grading and drainage. The work included modification to the existing Patient Services Expansion approved plans and permitting the revisions through Altamonte Springs.

J. Emery Swearingen, PE

Quality Assurance/Quality Control

Years of Experience

36 Total

≥1 Firm

Professional Registration

Professional Engineer No.
22355, Florida, 1979

Education

Bachelor's of Science in Civil
Engineering, University of
Florida, 1975

Professional Affiliation

Florida Stormwater
Association

American Public Works
Association

American Society of Civil
Engineers

National Society of
Professional Engineers

Florida Society of
Professional Engineers

Software Aptitude

Microsoft Office Suite

Training

Bicycle and Pedestrian
Safety, FHWA 2009

Advanced Maintenance of
Traffic, FDOT 2008

Public Right of Way Access
Guidelines, FHWA 2008

PROFESSIONAL PROFILE

J. Emery Swearingen, PE is a Senior Project Manager in DRMP's General Civil Division. In this capacity, he is responsible for managing staff and projects for a variety of state, county and city entities, as well as various residential and commercial land development projects for private clients. For both public and private clients, his duties include overseeing projects from concept to completion, including client and subconsultant coordination, planning, design and permitting to bidding, construction administration, site inspections and certification.

Most of Mr. Swearingen's wide range of Civil Engineering experience was gained while working for the City of Gainesville Public Works for over thirty years. He held numerous positions from field crewman to project manager to Director of Public Works and everything in between.

RELEVANT PROJECT EXPERIENCE

Blount Center of Santa Fe College, State of Florida: Project Manager for the Gainesville, Public Works Department for the Site Design, including grading, stormwater management, permitting, parking lots and pedestrian facilities for the Blount Center Campus, a satellite location of the Santa Fe College in Gainesville, Florida. Construction oversight, inspections and assistance was also provided.

SW 8th Avenue, City of Gainesville, Alachua County, Florida: Project Manager for the City of Gainesville Public Works Department for this project. The project consists of the streetscaping 1,700 lf of roadway in a congested sorority neighborhood abutting the University of Florida Gainesville Main Campus. The project included undergrounding all utilities, brick sidewalks and crosswalks, milling and resurfacing, new curb and gutter and drainage modifications. Existing underground utilities consisting of water, sewer, gas and telecommunications (including a major duct bank feeding University of Florida) along with maintenance of pedestrian, bicycle and vehicular traffic made this a unique and challenging project.

SW 3rd Street Preliminary Plans, City of Gainesville, Gainesville, Florida: Project Manager for the Gainesville Public Works Department in conjunction with the CRA's Continuing Engineering Services contract. This project is intended to aesthetically improve SW 3rd Street from Depot Avenue to SW 4th Avenue in Gainesville, Florida. This project is currently in the design phase and consists of relocating all utilities underground, constructing new sidewalks and associated handicapped ramps per CRA standards and designing adequate street and pedestrian lighting. Preliminary Utility coordination is also involved to ensure our design does not conflict with any existing or proposed utilities in the area. All design will be in accordance with local CRA design standards. DRMP has coordinated with the Gainesville CRA, Gainesville Regional Utilities, and Gainesville Public Works to ensure all standards have been, and will be, met. The length of the project is approximately 1,550 linear feet.

NE 8th Avenue, City of Gainesville, Alachua County, Florida: Project Manager for the City of Gainesville Public Works Department. This ARRA project consisted of the design and construction of milling and resurfacing of approximately 1,400 linear feet of a two lane roadway in a Historic District of the City, including modifications to all pedestrian facilities within the right-of-way necessary to meet current ADA Guidelines.

Downtown Connector Rail Trail, City of Gainesville, Alachua County, Florida: Project Manager for the Gainesville Public Works Department for design and construction of this project. The project consisted of leasing approximately 2.2 miles of the old CSX Rail Road right-of way from the State of Florida, securing engineering design and documents, utility coordination, development of construction bid and contract documents and construction contract management, including construction inspections and pay request approval, all of which accomplished adhering to the Florida Department of Transportation Local Agency Program requirements.

West Sixth Street Corridor Rail Trail, Phase One, City of Gainesville, Alachua County, Florida: Project Manager for the Gainesville Public Works Department for design and construction of this project. The project consisted of leasing approximately 1.6 miles of the old CSX Rail Road right-of way from the State of Florida, securing engineering design and documents, utility coordination, development of construction bid and contract documents and construction contract management, including construction inspections and pay request approval, all of which accomplished adhering to the Florida Department of Transportation Local Agency Program and ARRA requirements.

Traffic Signal system Installations and Replacements, City of Gainesville, Alachua County, Florida: Project Manager for the Gainesville Public Works Department for these Design/Build projects. These projects consisted of the development of the CCNA compliant Design/Build Proposal invitations and contracts, conducting the selection and contract award process, overseeing the coordination of all impacted utilities, approval of the Maintenance of Traffic plans and permits, construction inspections and payments, and final acceptance of the systems. FDOT local agency program was involved in a portion of these projects.

Roundabout at SW 6th Street & 2nd Avenue, City of Gainesville, Alachua County, Florida: Project Manager for the Gainesville Public Works Department for design and construction of this project. The project consisted of securing engineering design and documents, utility coordination, development of construction bid and contract documents and construction contract management, including construction inspections and pay request approval. This project also included the streetscaping of the project area in accordance with the Gainesville Community Redevelopment Agency Standards.

Bryant A. King, PE

Environmental Analysis and Permitting, Drainage Design, Public Involvement



Years of Experience

17 Total
14 With Firm

Professional Registration

Professional Engineer
No. 51994, Florida, 1997
Professional Engineer
No. 030683, Georgia, 2005

Education

Master's in Engineering,
University of Florida, 1996
Bachelor's of Science in Civil
Engineering, University of
Florida, 1991

Certifications

Level II Certified Design
Professional, No. 44943,
Georgia Soil and Water
Conservation Commission,
2007
FDOT Maintenance of Traffic

Professional Affiliation
American Society of Civil
Engineers

Florida Engineering Society
Florida Stormwater
Association

Software Aptitude
adICPR

XP-SWMM
HEC-RAS
ASAD

PROFESSIONAL PROFILE

Bryant A. King, PE is the Office Leader of DRMP's Tallahassee office and is responsible for overseeing all engineering work, both public and private. He has served in this position since August 2004. He is administratively responsible for all work produced in Tallahassee – including Transportation, Civil and Site Design and Water Resource Design. Prior to his relocation to Tallahassee, Mr. King was a Senior Project Manager in the Water Resources department in Orlando, where he was responsible for water resource planning, drainage design, permitting, water quality studies and other stormwater related design projects for both public and private clients. He has been responsible for numerous stormwater and drainage related projects including stormwater retrofits, stormwater master plans, roadway drainage design and bridge hydraulic reports.

Mr. King has been Project Manager and Project Engineer for numerous state and municipal infrastructure and stormwater related projects in Florida. In the past seven years, he has been involved in many transportation and site development projects. His background is in hydraulics and water resources and this has allowed him to interface in many aspects of Civil Engineering design.

RELEVANT PROJECT EXPERIENCE

Tartary Drive Stormwater Improvements, City of Tallahassee, Florida: Project Manager on this million Stormwater Improvement study. This project involved the preparation of a preliminary engineering report that addresses flood control and flow attenuation in the Tartary Drive neighborhood in Tallahassee, Florida. The recommended design elements included replacement of a ditch with a culvert outfall, construction of a detention pond on City owned property, and numerous pipe and inlet upgrades to the collection system in the surrounding neighborhood. The report was completed in 2001.

ABC Liquors, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards for commercial developments

Capital Circle Southeast From Woodville Highway to Tram Road, Blueprint 2000 Intergovernmental Agency, Leon County, Florida: Assistant Project Manager on this \$17 million roadway widening project. This project involved widening of 2.2 miles of two lane road to a six lane urban section. This project involved major stormwater design, intersection design, roadway design, utility coordination, right-of-way acquisition and lighting. Mr. King coordinated with internal and client staff and subconsultants, managed schedules, and coordinated submittal for the project under an accelerated schedule. DRMP was responsible for preparing a 60% plus submittal that including full Right-of-Way mapping. Design was complete in January 2007.

Professional Engineering Services, Northwest Florida Water Management District, Multiple Counties, Florida: Mr. King served as Project Manager for this contract. This contract required DRMP to act as an extension of staff on tasks including review of Environmental Resource Permits, beta testing e-permitting portals and consulting for additional rule making. DRMP has maintained this Contract with NFWFMD for 3 years and has executed 6 Task Orders for this Contract.

Districtwide NPDES Swmm Consultant, FDOT District Three, Florida: Project Manager on this continuing services contract. Mr. King is responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and have executed 30 separate Task Orders for this Contract.

Maneuver Battle Lab, Ft. Benning, Georgia: Project Manager responsible for all site and stormwater design consisting of and design of all new stormwater infrastructure, utilities, site plans, parking areas, loading area to meet the State of Georgia, Base, LEED Standards as well as ACOE standards and requirements. This project is a Design Build project and is currently underway.

Corry Station BEQ, Pensacola, Florida: Project Manager responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base. This project is a Design Build project.

Letchworth - Love Mounds Archeological State Park, Florida Department of Environmental Protection, Leon and Jefferson County, Florida: This FDEP project involved improvements to the park including paving the entrance road and parking lot, stormwater treatment facilities, siting and construction of a restroom, well and water system and sidewalks to provide connectivity between the existing and proposed features. As Project Manager, Mr. King was involved from start to finish in all facets of the project which included project management, conceptual design, preparation of construction plans and estimates, permitting through various agencies as well as construction coordination between DRMP, the contractor, and FDEP.

Klondike Road Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$250,000 drainage improvement project in Pensacola, Florida. The project involved the piping of an existing ditch through a residential subdivision while still allowing overland flows to be regulated. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit and a De Minimus Dredge and Fill Exemption was secured from the FDEP. Design was completed in 2009. The project was completed in 2010.

Talladega Trail Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$300,000 drainage improvement project in Pensacola, Florida. The project involved the expanding an existing FDOT owned pond and construction of an improved stormwater outfall residential subdivision. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit was secured from NFWFMD. Design was completed in 2007. The project was completed in 2009.

Lower East Branch Debris Trap of Tallahassee, City of Tallahassee, Leon County, Florida: Project Manager on this \$100,000 Master Drainage Stormwater Study. This project involved the design and construction of an in line debris trap that captured floatables and debris into a holding basin. Unique features included structural design of a floating skimmer and removable catchments screens and a holding area and access design tailored specifically to the City's maintenance equipment. The project involved development of a design report and permitting through the City of Tallahassee Growth Management Department. An environmental resource permit exemption was obtained from the Florida Department of Environmental Protection. Design was complete in 2000 and construction was complete in 2001.

Henry Davis Park Drainage Improvements, City of Panama City, Bay County, Florida: Mr. King was Project Manager for the recently completed engineering plans for a \$1.1 Million water quality and flood control project in the City of Panama City. This project involved filling and piping a drainage ditch, construction of a wet detention pond for water quality and flood control, design of discharge structures and erosion control devices, permitting through the US Army Corps of Engineers and the Florida Department of Environmental Protection. Design was completed in 2006 and Construction was completed in 2008.

Harrison Avenue Drainage Improvements, Santa Rosa County Public Works, Santa Rosa County, Florida: Mr. King was Senior Engineer on a recently completed a drainage study and retrofit project design for a 133 acre drainage basin that was subject to repeated flooding of streets, yards, homes and institutional structures. DRMP used adICPR to evaluate the basin, define the existing Level of Service. Based on Santa Rosa County and FEMA requirements, DRMP recommended three alternative solutions and chose the design alternative with the highest cost/benefit ratio. The project was designed to avoid wetland impacts and to mitigate flooding for all off properties except one. The project was completed on an accelerated schedule (less than 6 months NTP to submittal) in order to maintain eligibility for grant funding. The project design was completed in August 2009. Permits were issued in 2009. Construction is pending.

Manatee Springs State Park, Florida Department of Environmental Protection, Levy County, Florida: This FDEP project involved the renovation of an existing campground at this park along with the addition of a potable water system to serve the campground. Improvements included redesign of all campsites including new water and sanitary hook-ups, design of a sanitary lift station, design and permitting of a septic tank requiring secondary treatment, roadway improvements and surfacing and stormwater permitting. As the Project Manager, Mr. King was involved from start to finish in all facets of the project which included conceptual design, preparation of construction plans and estimates, permitting through various agencies as well as construction coordination between DRMP, the contractor, and FDEP. Design was complete in 2010.

Blackwater River State Park, Florida Department of Environmental Protection, Okaloosa County, Florida: This FDEP project involved the renovation of the existing campground at this park along with the addition of a potable water system to serve the campground. Improvements included redesign of all campsites including new water and sanitary hook-ups, roadway improvements and surfacing and stormwater treatment facilities. As the Project Manager, Mr. King was involved from start to finish in all facets of the project which included conceptual design, preparation of construction plans and estimates, permitting through various agencies as well as construction coordination between DRMP, the contractor, and FDEP.

Stringer Subdivision, Wxton and Associates, Thomasville, Georgia: Project Engineer on this \$300,000 Residential Development Site Design project. This project was approximately 50 acres and included 10 acres of infrastructure. Elements of design included minor roadway, site drainage, design of a water amenity including dam, overflow structure and spillway, lot grading scheme, design of entrance turn lane, erosion and sediment control plan. Design was completed in 2006 and Construction completed in 2007.

Chris D. Towne, PE

Roadway/Sidewalk Design, Site Development Design



Years of Experience

13 Total
2 Firm

Professional Registration

Professional Engineer No.
66928, Florida, 2007

Professional Engineer
No. 14734, West Virginia,
2000

Education

Bachelor's of Science in Civil
Engineering, Virginia Tech
University, 1996

Professional Affiliation

American Society of Civil
Engineers

American Public Works
Association

Software Aptitude

Autodesk Land Desktop,
2006

PondPack

CulvertMaster

FlowMaster

ENERCALC

Training

Designing for Pedestrian
Safety from Florida Highway
Administration, 2007

PROFESSIONAL PROFILE

Chris D. Towne, PE is the Gainesville Office Manager for DRMP and is currently responsible for project management, client relations, design and day-to-day administration of the office operations. He has worked on many types of Civil Engineering projects throughout his career, including roadway, bridge, airport, structural, drainage, water, sanitary sewer and site design. This has made him a well rounded engineer to be able to manage projects with multiple disciplines involved.

RELEVANT PROJECT EXPERIENCE

Gainesville High School, Media Center Addition, Alachua County School Board, Alachua County, Florida: Project Manager for Site Design, including grading and drainage for a new 4,700 square foot addition.

Charles R. Perry Building Construction Institute, Santa Fe Community College, Alachua County, Florida: Project Manager for site design, including paving, grading, drainage and utilities for a new 33,000 square foot building.

Santa Fe High School, Science Classroom Building, Alachua County School Board, Alachua County, Florida: Project manager for site design, including paving, grading, drainage and utilities for a new 27,000 square foot building.

Gainesville Nissan, TT of Alachua, Alachua County, Florida: Project manager for parking area addition and replacement for a building expansion. Mr. Towne performed coordination for the City of Gainesville Development review, St. Johns River Water Management District permitting and wetland mitigation.

Devonshire Community, Cathcart Properties, Putnam County, West Virginia: Civil engineer for a four-phase, 850-unit residential development on 110 acres. Mr. Towne performed drainage, erosion control, roadway and utilities services for Putnam County Development and Putnam PSD review.

Jane Lew Field Office, Chesapeake Energy, Lewis County, West Virginia: Civil engineer for a three-building office and storage lot on 17 acres. Mr. Towne performed drainage, erosion control, roadway and utility services.

St. Patrick Catholic Community, Alachua County, Florida: Project Engineer for a new 12,000 square foot sanctuary. Project consisted of demolition, paving, grading and utilities.

Griffis Carwash, Bradford County, Florida: Project Manager for a new automated car wash and lube center. Project consisted of demolition, paving, grading and utilities.

Northeast Park, City of Gainesville, Alachua County, Florida: Project manager for site design that included rehabilitation of 1800 LF of existing asphalt pathways and 300 FL of new asphalt pathway for connectivity of play areas. All pathways are ADA compliant.

Woodlea Athletic Complex, City of Tavares, Lake County, Florida: Project manager for preparing the master plan with layout and grading. The complex consists of four baseball, two softball and three soccer fields with associated parking and support facilities.

Northeast Park, Town of Cross City, Dixie County, Florida: Project Manager for stormwater permitting for park improvements. Project consisted of three dry retention areas.

Camp Kulaqua Permitting, City of High Springs, Alachua County, Florida: Project manager for SRWMD permitting stormwater ponds for a 6,500 sf picnic pavilion and a 6,300 sf maintenance building. The picnic pavilion required routing upland drainage around building area to minimize pond footprint.

SW 8th Avenue, City of Gainesville, Alachua County, Florida: Project Manager for streetscaping 1,700 lf of roadway in a congested sorority neighborhood. Project consisted of undergrounding all utilities, brick sidewalks and crosswalks, milling and resurfacing, new curb and gutter and drainage modifications. Existing underground utilities consisting of water, sewer, gas and telecommunications (including a major duct bank feeding University of Florida) made this a unique and challenging project.

SW 122nd Street, FDOT District Two, Alachua County, Florida: Project manager for milling and resurfacing 0.8 miles of two-lane roadway. Project also included the addition of 5' bike lanes and signing and pavement marking. This project was Design Build provided by ARRA funding.

CR 100A Widening and Resurfacing, Bradford County, Florida: Project Engineer for widening and resurfacing of 3.7 miles of two-lane roadway. Project also included culvert repairs, signing and pavement marking and maintenance of traffic.

SE 8th Avenue Widening and Resurfacing, Bradford County, Florida: Project Engineer for widening and resurfacing of 4.5 miles of two-lane roadway. Project also included partial reclaim, signing and pavement marking and maintenance of traffic.

Southeast 144th Street, Bradford County, Florida: Project Engineer for a one- mile, two- lane roadway. Project is part of a Continuing Engineering Services contract with Bradford county and included pavement, drainage, wetlands, signing and markings, and traffic maintenance.

Miscellaneous Projects, City of Crystal River, Citrus County, Florida: Served as Project Manager for the preliminary design, final design and permitting of multiple roadway culvert replacement projects with the City of Crystal River.

- **Northeast 11th Street Culvert Replacement:** This culvert project was to provide increased drainage capacity and replace failing culverts. The project consisted of providing permitting coordination, engineering plans and specification documentation for the replacement of several mid sized culverts under Northeast 11th Street. Project cost is approximately \$50,000.
- **Northeast 2nd Avenue Culvert Replacement:** This culvert project was to provide increased drainage capacity and replace failing culverts. The project consisted of providing permitting coordination, engineering plans and specification documentation for the replacement of several mid sized culverts under Northeast 11th Street. Project cost is approximately \$30,000.

SW 3rd Street Preliminary Plans, City of Gainesville, Gainesville, Florida: Project Manager for the Gainesville CRA's Continuing Engineering Services contract. This project is intended to aesthetically improve SW 3rd Street from Depot Avenue to SW 4th Avenue in Gainesville, Florida. This project is currently in the design phase and consists of relocating all utilities underground, constructing new sidewalks and associated handicapped ramps per CRA standards and designing adequate street and pedestrian lighting. Preliminary Utility coordination is also involved to ensure our design does not conflict with any existing or proposed utilities in the area. All design will be in accordance with local CRA design standards. DRMP has coordinated with the Gainesville CRA, Gainesville Regional Utilities, and Gainesville Public Works to ensure all standards have been, and will be, met. The length of the project is approximately 1550 linear feet.

SW 3rd Street, Community Redevelopment Agency, Alachua County, Florida: Project Manager for preliminary plans to construct brick sidewalks and crosswalks, street and pedestrian lighting and relocating all utilities underground. Total project length is approximately 1550 LF.

Phase 1 Roadway Rehabilitation, Black Diamond Ranch, Citrus County, Florida: Project manager for \$200,000 roadway rehabilitation project. Responsible for performing alignment and field delineation for milling and overlay and full depth repair areas for approximately four miles of roadway.

Miscellaneous Projects, MSTU/Assessment Department, Marion County, Florida: Project manager for multiple projects for upgrading limerock and dirt roads to asphalt surfaces. Responsible for roadway, easement, signing and marking, drainage and permitting services as well as community involvement in meetings.

Robert M. Moon, PE

Public Involvement



Years of Experience

11 Total
11 With Firm

Professional Registration
Professional Engineer No.
66501, Florida, 2007

Education
Bachelor's of Science in Civil
Engineering, University of
North Florida, 2002

Professional Affiliations
American Public Works
Association

National Association of
Industrial and Office
Properties

Volusia County Association
for Responsible
Development

Software Aptitude

AutoCAD
PONDS
FlowMaster
PondPack
StormCAD

PROFESSIONAL PROFILE

Robert M. Moon, PE is a Senior Project Manager in DRMP's General Civil Division. In this capacity, he is responsible for managing staff and projects for a variety of state, county and city entities, as well as various residential and commercial land development projects for private clients. For both public and private clients, his duties include overseeing projects from concept to completion, including client and subconsultant coordination, planning, design and permitting to bidding, construction administration, site inspections and certification.

Additionally, for various city entities, he serves as an extension of city staff by providing plan reviews and attending DRC meetings, in which he acts as a voting member, for approval of new commercial and residential developments. In this role, Mr. Moon also assists the city staff with post design services including coordinating construction inspections, providing final inspections and reviewing as-built plans and certification documents prior the city closing out a project. Other miscellaneous tasks include monitoring city's NPDES program and assisting with annual reporting, as well as attending public meetings in which he provides updates and explanations to various boards on projects that have gained public attention.

Mr. Moon's engineering and permitting experience ranges greatly. He primarily practices in civil site layout, paving and drainage design including setting vertical grades and designing stormwater collection and management systems using hydraulic model software such as StormCAD, adICPR, PondPack, FlowMaster and PONDS, as well as designing erosion control and stormwater pollution prevention plans. He is also experienced in designing potable water distribution systems and wastewater collection and conveyance systems, including private lift stations. Mr. Moon's federal, state and local permitting experience encompasses over 20 counties in northeast and central Florida.

RELEVANT PROJECT EXPERIENCE

Aqua at Millenia Development, Broad Street Partners, City of Orlando, Florida: Project Manager for the development of an 8 acre site for approximately 300 apartment units. This apartment complex is specialty design with a parking garage in the center and wrapped by the apartment units. This site development includes the design of a lift station and roadway extension. This project included detailed coordination and permitting with City of Orlando, Orange County and SWFWMD.

Heart Island Equestrian Estates, LandMar Group, Volusia County, Florida: Project manager and design engineer for a multiphase, 335-lot, 7,000 acre rural equestrian subdivision. He is responsible for plan preparation, design of paving and grading, stormwater collection and management systems and permitting for the appropriate government agencies, including FDOT, SJRWMD and Volusia County.

Salida del Sol Condominiums, Omega Design Build Group, LLC, St. Johns County, Florida: Project manager and design engineer for a 119-unit, 15-building condominium project. He was responsible for plan preparation, design of paving and grading, stormwater collection and management systems and permitting for the appropriate government agencies, including FDEP, SJRWMD and St. Johns County.

Bella Harbor Condominiums, City of Palm Coast, Flagler County Florida: Project manager and design engineer for a 42-unit, six building condominium. He was responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including FDEP, SJRWMD and City of Palm Coast, Florida.

Samara Lakes Subdivision, St. Augustine, Florida: Design engineer for a multiphase, 492-acre subdivision. He was responsible for plan preparation, design of road grading, stormwater collection and management systems, and permitting for the appropriate government agencies, including SJRWMD and St. Johns County.

Utility Extension for Sebastian View Subdivision, City of St. Augustine, St. Johns County Florida: Design engineer responsible for plan preparation, design of potable water distribution, including a 1000 LF watermain extension and wastewater collection system, including a pump station and 600 LF forcemain extension and permitting for the appropriate government agencies, including FDEP and City of St. Augustine, Florida.

Cottages at Atlantic Beach, City of Atlantic Beach, Duval County Florida: Project manager and design engineer for a 15-unit, two building condominium. He was responsible for plan preparation, design of paving and grading, stormwater collection, design of potable water distribution and wastewater collection system and management systems, and permitting for the appropriate government agencies, including FDEP, SJRWMD and City of Atlantic Beach.

Camp Boggy Creek Welcome Center Addition, Camp Boggy Creek, Lake County, Florida: Project Manager and Engineer of Record for a 10,000 SF welcome center building addition to the Camp Boggy Creek with associated stormwater facility and parking improvements. Responsibilities include overseeing the plan preparation and design and coordinating with the Camp and Landscape Architect for permitting through the appropriate government agencies, including SJRWMD and Lake County.

Ward-Highland Elementary School Addition, Marion County School Board, Marion County, Florida: Project manager and design engineer for a multimillion dollar classroom and cafeteria expansion and infrastructure and parking improvements. He was responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including SJRWMD, Marion County School Board and City of Ocala, Florida.

Riverside Bank at Hanging Moss Road and SR 436, Riverside Bank of Central Florida, Orange County, Florida: Project manager for a 4,844 sf bank and master stormwater facility. He was responsible for overseeing plan preparation, design of paving and grading, stormwater collection system and permitting for the appropriate government agencies, including SJRWMD, FDEP, FDOT, City of Winter Garden and Orange County.

Interstate Office Park, Joyner Construction, Alachua County, Florida: Project manager and design engineer for a 16-unit, two building commercial warehouse development. He was responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including SJRWMD, Gainesville Regional Utilities and Alachua County, Florida.

Beck Chrysler, Bradford County, Florida: Project manager and design engineer for a 2-acre car lot on a 7-acre site. He was responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including Suwannee River Water Management District (SRWMD) and Bradford County, Florida.

Midstate Powers Systems, City of Hampton, Bradford County Florida: Project manager and design engineer responsible for plan preparation, design of paving and grading, stormwater collection and management systems and permitting for the appropriate government agencies, including, FDOT, SRWMD and City of Hampton, Florida.

Hartley Brother's Construction Office Building, Alachua County, Florida: Project manager and design engineer responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including SJRWMD and Alachua County, Florida.

St. Augustine Corners (CVS, VyStar and Carrabba's), St. Johns County, Florida: Design engineer for a three building commercial development. He was responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including FDOT, FDEP, SJRWMD and St. Johns County.

Beaches Woodcraft, City of Atlantic Beach, Duval County Florida: Design engineer responsible for plan preparation, design of paving and grading, stormwater collection and management systems, design of potable water distribution and wastewater collection system and permitting for the appropriate government agencies, including SJRWMD and City of Atlantic Beach.

General Continuing Engineering and Planning Services Town of Oakland, Florida: Serves as the contract Project Manager and acts as an extension of city staff by providing plan reviews and attending DRC meetings, in which he acts as a voting member, for approval of new commercial and residential developments. Additional responsibilities include post design services including coordinating construction inspections, providing final inspections and reviewing as-built plans and certification documents prior the recommending to the town that they close out a project.

General Continuing Engineering and Planning Services, City of Mount Dora, Florida: Serves as the contract Project Manager and acts as an extension of city staff by providing plan reviews for approval of new commercial and residential developments. Additional responsibilities include post design services including coordinating construction inspections, providing final inspections and reviewing as-built plans and certification documents prior the recommending to the City that they close out a project.

General Continuing Engineering and Planning Services, Town of Oak Hill, Florida: Serves as the contract Project Manager and acts as an extension of city staff by providing plan reviews for approval of new commercial and residential developments. Additional responsibilities include post design services including coordinating construction inspections, providing final inspections and reviewing as-built plans and certification documents prior the recommending to the Town that they close out a project. Other tasks include monitoring the Town's NPDES program and assisting with annual reporting, as well as attending public meetings to provide updates and explanations to the Mayor and Council on projects that have gained public attention.

Jim L. Hagon, PE

Roadway/Sidewalk Design



Years of Experience

14 Total
4 With Firm

Professional Registration

Professional Engineer
No. 63848, Florida, 2005
Professional Engineer No.
29023- E, Alabama, 2007
Professional Engineer No.
32455, Georgia, 2007
Professional Engineer No.
18378, Mississippi, 2008

Education

Bachelor's of Science in Civil
Engineering, Michigan State
University, 2000

Professional Affiliation

Co-Chair of Scholarship
Committee, Florida
Engineering Society, 2010
National Society of
Professional Engineers
Pensacola Young
Professionals

Software Aptitude

MicroStation, Version 8 & XM
Bentley GEOPAK, 2004 &
2008
ArcGIS, Version 9.3
Transoft AutoTURN and
GuidSIGN
FDOT Electronic Delivery
FDOT PEDDS, Version 2.6
Trimble Pathfinder Office
and MobileMapper Office
GPS
FDOT Crash Analysis
Reporting System (CAR)
FDOT Crash Reduction
Analysis System Hub
(CRASH)

Certifications

Advanced Maintenance of
Traffic, FDOT expires
5/4/2014
FDOT 2010 PD&E Training
FDOT Specifications Trained
Public Involvement in PD&E

PROFESSIONAL PROFILE

Jim L. Hagon, PE serves as a Senior Project Engineer for DRMP's Pensacola office. He acts as a Project Manager, Assistant Project Manager and Project Engineer on a variety of projects and has 14 years of experience. He is responsible for managing projects throughout the planning and design phases.

Other projects Mr. Hagon has worked on have included experience with roadway multi-lane widening, corridor planning and Community Redevelopment Agencies. He is experienced in working on Project Development and Environmental (PD&E) documents. He researched and wrote several documents including a Preliminary Engineering Report, a Contamination Screening Report and several Public Involvement Reports. He has several years of construction engineering inspection experience and has assisted in both geotechnical drilling operations and basic survey tasks.

RELEVANT PROJECT EXPERIENCE

District Wide Miscellaneous Safety Contract, FDOT District Three: Assistant Project Manager for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Hagon managed as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as a Assistant Project Manager for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** Served as Assistant Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Avenue, FDOT District Three, Bay County, Florida:** Serving as Assistant Project Manager for the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Assistant Project Manager for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** Serving as Assistant Project Manager for this project which includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Assistant Project Manager and Project Engineer for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

Gulf Beach Highway Sidewalk Improvements, Escambia County, Florida: Serving as Assistant Project Manager in the design of 5.0 miles of sidewalk along both sides of Gulf Beach Highway from Blue Angel Parkway to Perdido Key Drive. Major work for this project includes the coordination with the County staff to minimize right of way acquisition while maintaining a cost effective pedestrian walkway. Identified three segments to be constructed in phases to get the project built. Offered alternative bid for asphalt path to minimize cost to the Client.

Hurricane Ivan Emergency Debris Removal, Escambia County, Florida: Project Engineer for Hurricane Ivan Debris Removal Mapping for Escambia County's management consultants. Divided county into over 100 individual zones and created 8 ½" by 11" maps for debris haulers immediately following Hurricane Ivan. Created oversize maps for tracking and payment quantities. Mapped Right of Entry's for disaster recovery teams on Perdido Key. Verified emergency berm location with Trimble GPS Survey Rover and Garman GPS MobileMapper. Continued coordination with management consultants for Hurricane Cindy and Hurricane Dennis.

Escambia County Roadway Assessment, Escambia County, Florida: Project Engineer for Escambia County Roadway Assessment post Hurricane Ivan. Evaluated 290 miles of County roadways to determine damage caused by Hurricane Ivan or to the increased truck traffic since the hurricane. Determined FEMA reimbursement or Federal Highway Administration eligibility. Exported roadway data collected in handheld GPS units and quantified distresses. Created reports and estimates for design fees and construction costs. Provided digital photos of distresses and recommended priorities. Reviewed pre-Hurricane Ivan traffic data, inspection data and history of roadway paving. Obtained FEMA reimbursement for Escambia County.

Pensacola Community Redevelopment Agency (CRA), Escambia County, Florida: Project Engineer for City of Pensacola Community Redevelopment Agency (CRA) construction projects. Documented contractor's progress with digital photos and daily reports at Palafox Pier Marina reconstruction and Bayfront Auditorium demolition. Worked closely with City of Pensacola CRA Director, Developer, Contractors, Project Manager and others. Ensured docks, a utility building, fuel dispensing devices, plumbing, electrical and other mechanical services were installed per plans and specifications. Coordinated concrete debris recycling with Bayfront Auditorium Demolition Contractor, County Marine Services Division and Project Manager to create an artificial fishing reef in Gulf of Mexico.

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Senior Project Engineer for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

SR 500 (US 27/441), FDOT District Five, Lake County, Florida: Senior Project Engineer for this 3.5 mile, four-lane to six-lane widening project from south of CR 460 to north of Lake Ella Road. Principal tasks included quantity computation and preparation of quantity computation book. Project included roadway widening, milling and resurfacing, bike lane addition, and drainage structures.

SR 75 (US 231), FDOT District Three, Jackson County, Florida: Senior Project Engineer in this 3.4 mile 3R project from SR 73 to north of Jacobs Rd. Responsibilities included assisting in utility coordination and bid documents. Project included milling and resurfacing, construction of left turn lanes, and addition of bike lanes.

SR 61/SR 369 (Crawfordville Highway), FDOT District Three, Wakulla County, Florida: Project Engineer for Crawfordville Highway (SR 61/SR 369) from Lower Bridge Road to East Ivan Road through Crawfordville, Florida. This five mile urban multi-lane design project consists of widening existing two lanes to four lanes through a downtown area with limited right-of-way. Completed estimates and computation book using spreadsheets and Adobe Acrobat. Used FDOT's web-based TRNSPORT to enter quantities. Created Summary of Quantity sheets. Drafted horizontal features, curb ramps, driveways, and medians following FDOT Standards. Inventoried existing signs and developed a pavement marking and signing plan set. Used GuidSign software to create unique destination signs. Identified community services and 4(f) properties and minimized impacts. Corresponded with FDOT Right-of-Way specialist for funding Right-of-Way cost. Coordinated and interpreted wetland delineated areas, endangered species and karst features with biological sub-consultants. Ensured sub-consultants perform Electronic Signing and Sealing. Completed draft final design document for submittal. Performed pre-QC plan review prior to internal QC process. Assisted Project Manager with meeting deadline and delivery.

SR 85, FDOT District Three, Okaloosa County, Florida: Engineer for SR 85 (Ferdon Boulevard) from North of I-10 to South of Brock Avenue. This 1.6 mile resurfacing project is located in the City of Crestview. Coordinated and performed several field visits to gather design data. Confirmed ADA compliance for driveways, cross streets and sidewalks. Verified sign locations and recorded age. Photographed and documented intersection grades and sidewalk ramps.

SR 87 (Segment 3), FDOT District Three, Santa Rosa County, Florida: Project Engineer for SR 87 (Segment 3) from North of Five Forks Road to Eglin Air Force base boundary. This 3.0 mile project consists of widening the existing two-lane roadway into a four-lane highway. Assisted Project Manager with submittal coordination. Completed final design document for submittal. Evaluated guardrail need and use. Addressed plan and guardrail comments from Florida Department of Transportation. Conducted field review. Reviewed plans prior to QC Review by internal QC Department.

SR 87 (Segment 5), FDOT District Three, Santa Rosa County, Florida: Project Engineer for State Road 87 (Segment 5) from Hickory Hammock Road to State Road 10 (US 90). This 3.8 mile project consists of widening the existing two-lane roadway into a four-lane highway. Coordinated field review. Verified driveways and assisted Project Manager with resolving driveway and median opening issues. Located conflicting utilities. Minimized median opening widths and verified control radii. Inventoried existing signing and assisted development of signing and pavement marking sheets. Identified underground storage tanks. Completed final design documentation.

SR 369 (Crawfordville Highway), FDOT District Three, Leon County, Florida: Engineer for SR 369 (Crawfordville Highway) from L.L. Wallace Road to State Road 61 (US 319) Segment 1. This project consisted of widening 1.7 miles of two-lane roadway to four-lane roadway. Assisted Project Manager with final signed and sealed submittal. Ensured complete design document. Addressed Florida Department of Transportation geometric comments. Finalized project limits. Performed Pre-QC plan review prior to internal QC process.

Travis N. Shannon, EI

Drainage Design

Years of Experience

5.0 Total

5.0 With Firm

Professional Registration/Certification

Engineer Intern No.
1100012073, Florida, 2007

Education

Bachelor's of Science in Civil
Engineering, Florida State
University, 2007

Software Aptitude

AutoCADD

MicroStation V8 & XM

Geopak

Geopak Drainage

ASAD

AdICPR

AdICPR Perc Pack

HEC-RAS

HY-8

Modret

ArcMap GIS

Microsoft Project

CRASH

PROFESSIONAL PROFILE

Travis N. Shannon, EI is currently a project engineer for drainage and stormwater projects in the Tallahassee office. He is experienced with roadway construction, widening, drainage improvements, and quantity computation books. His duties include analysis and design as well as plans production. Before getting his degree, Travis worked as an engineering technician in DRMP's Panama City office. Upon graduation, he moved to the Orlando DRMP office where he participated in the PE training program. He worked in the water resources and transportation departments for approximately one year before moving to Tallahassee.

RELEVANT PROJECT EXPERIENCE

Maneuver Battle Lab, Ft. Benning, Georgia: Drainage project engineer for this building and parking lot addition inside Fort Benning, Georgia. Responsible for the design of the entire new stormwater infrastructure to meet the State of Georgia, Base, and LEED criteria as well as ACOE standards and requirements. This project is a Design Build project and is currently underway.

Corry Station BEQ, Pensacola, Florida: Drainage project engineer responsible for all stormwater design which consisted of the analysis of the existing systems to determine service levels and the design of the stormwater management facilities and the collection and conveyance systems to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base. This project is a Design Build project and is currently underway.

Dairy Queen, City of Panama City Beach, Bay County, Florida: Engineer for the civil site work for a proposed Dairy Queen in the City of Panama City Beach, Fl. Responsibilities included producing the civil construction plans for the site and necessary permits as well as the design of the utility system, stormwater conveyance system, pavement typical section, signage layout, and erosion & sediment control measures.

Finding of Necessity Report, City of Parker, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Finding of Necessity Report, City of Cedar Grove, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

EMC Monitoring, FDOT Central Office, Florida: Engineer responsible for the day to day management of the event mean concentration monitoring for rural road basis in Florida's panhandle. This included the selection of two monitoring sites, implementation, equipment installation, sample collection and data reporting for this ongoing project.

District Wide NPDES Consultant, FDOT District Three, Florida: Engineer responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and has executed 30 separate Task Orders for this Contract.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Engineer responsible for preliminary modeling and field reviews for the identification of existing stormwater flood prone areas and proposed alternatives to remedy any problems. Recommendations from the cost / benefit analysis and phasing were presented to the City Council for implementation. The Master Plan was completed in 2009.

Buchanan Street Drainage Improvements, City of Cairo, Grady County, Georgia: Engineer responsible for preliminary modeling and field reviews for the culvert upgrade under Buchanan Street in Cairo, Georgia. Project was an emergency response to flooding caused during Tropical Storm Fay in September 2008.

Traffic Safety Studies, FDOT District Three, Okaloosa County, Florida: Performed a field review and traffic analysis and prepared a safety study report for three intersections in the City of Crestview in Okaloosa County, Florida. These intersections were part of the District Wide 5% Report – High Crash Spot Project. The intersections included SR 85 at Courthouse Terrace (M.P. 18.342), SR 85 at Courthouse Terrace (M.P. 18.367), and SR 85 at Brett Street. Responsibilities included assembling FHP crash data, calculating crash costs, identifying safety improvements, and estimating a cost-to-benefit ratio for each improvement.

Capital Circle Southeast, Blueprint 2000, Leon County, Florida: Drainage engineer for this 3.1 mile, design build, roadway widening project, which included the expansion of a rural two lane road to an urban six lane section with curb and gutter and sidewalks. Responsibilities included the design of the stormwater management facilities and secondary collection systems, plans production, shop drawings reviews, and extensive coordination and field visits with the contractor. This project was completed in 2010.

District Wide Miscellaneous Safety Contract, FDOT District Three: Drainage Project Engineer for a variety of safety projects throughout the District as part of a district wide safety contract. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Responsibilities primarily included drainage reviews for any project which was impacting the hydrology or drainage infrastructure.

- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** This 0.5 mile roadway project included the addition of east and westbound left turn lanes along SR 267. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 292. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 173. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 30A at Lyndell Lane, FDOT District Three, Bay County, Florida:** This roadway project included the addition of a right turn lane along SR 30A onto Lyndell Lane. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This roadway project included the addition of paved shoulders on this high risk rural road. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.

SR 10 (US 90A/Nine Mile Road) PD&E Study, Escambia County, Florida: Drainage Project Engineer for the PD&E Re-evaluation Study of the proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida. This roadway segment was included in a previous Type 2 Categorical Exclusion for SR 10 (US 90A/Nine Mile Road) from the Alabama State Line to University Parkway and SR 297 (Pine Forest Road) from SR 8 (I-10) to SR 10 (US 90A/Nine Mile Road), approved on May 1992. This Re-evaluation began in November 2009 and is expected to be completed in early 2011. Responsibilities include the preparation of a Pond Siting Report and participation in public involvement meetings.

I-10/US 29 Interchange and I-10 Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Drainage Project Engineer for this PD&E Study Re-evaluation of improvements to the existing SR 8 (I-10) / SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to the recently improved I-10 / I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a finding of No Significant Impact (FONSI) approved in May 2000. Responsibilities include the preparation of a Pond Siting Memorandum and participation in public involvement meetings.

Lake Underhill Road RCA, City of Orlando, Orange County, Florida: This Roadway Corridor Analysis included preliminary engineering design for upgrading approximately 3.9 miles of Lake Underhill Road from a two lane to a four lane section. Responsibilities included the proposed stormwater pond analysis and preliminary design as well as the design and calculations for enclosing approximately 1.5 miles of the Rio Pinar Canal with dual concrete box culverts ranging in size from 6'x6' to 10'x7'. Extensive modeling (ICPR) was required to analyze the impacts to the surrounding areas in the Little Econlockhatchee River basin.

Eric M. Brown

Roadway/Sidewalk Design, Site Development/Design, Utility Design



Years of Experience

12 Total
6 With Firm

Education

Bachelor's of Arts in Visual Communication, American Intercontinental University, Georgia, 2005

Gulf Coast Community College, Introduction to Computer Animation, Florida, 2002

Mechanical and Architectural Drafting Certification, Haney Technical Center, Florida, 1996

AutoCAD Certificate, 1996

Civil 3-D Fundamentals Training, 2008

Software Aptitude

Civil 3D 2009

Land Development Desktop

AutoCAD Map

Raster Design

MicroStation

GEOPAK

ESRI ArcGIS

BlueMarble Geographic Transformer

Google Earth Pro

PROFESSIONAL PROFILE

Eric M. Brown is a Senior Project Designer in DRMP's General Civil Engineering Division. His responsibilities include designing construction and permitting plans consisting of site layout, stormwater grading and drainage, potable and reclaimed water and wastewater for all sizes of residential, commercial and industrial developments, including marinas, roadway projects and municipal improvement projects for utilities, drainage and recreational facilities. He has been the principal project designer and/or actively participated and contributed to the successful design of hundreds of projects with a total civil infrastructure cost of over \$150 million.

He is also highly skilled in AutoCAD Map, Land Development Desktop, Raster Design and has several years experience working with GIS software. In addition to his technical skills, Eric Brown is familiar with most construction practices and permitting procedures. Furthermore, he has prepared numerous surveys and plats, created cost estimates and performed daily construction inspection.

RELEVANT PROJECT EXPERIENCE

Pier Park Beach Front Parking Concept Plan, Panama City Beach, Bay County, Florida: Project Designer responsible for the conceptual retrofit layout for new on-street parking areas at Pier Park which would conform with future C.R.A. roadway improvements and on-going pier construction.

One-Source Wire Distribution Facility, 1-Source Wire and Cable, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 7.5 +/- acre industrial distribution facility. The design consisted of a 50,000 sf distribution warehouse terminal building with eight loading docks and ramps. The site was designed to provide concurrent access, turning movements, staging/storage and loading/unloading of multiple semi-trailer trucks in a comfortable and safe manner. The use of standard and heavy duty asphalts and concretes were utilized to handle the different vehicular use areas. The plans included water waste water services and the drainage infrastructure was also designed to accommodate the high demands of the largely impervious site, including rood drain trunk lines, sumped loading dock trench drains with heavy duty grates and concrete curb flumes with energy dissipaters to reduce erosion velocities at storm water pond sheet flow entrance points.

Warrington Elementary School Addition, Escambia County School Board, Escambia County, Florida: Project designer responsible for developing construction plans for a building addition at Warrington Elementary for. The project was a fast paced Design/Build project that included design of new infrastructure & the retro-fitting of existing infrastructure. In addition to site, drainage & utility improvements a covered sidewalk was also incorporated to provide accessibility from existing school buildings to the new stand-alone addition.

Gulf Beach Highway Sidewalks, Escambia County, Florida: Project designer responsible for developing construction plans for five miles of shared use path along Gulf Beach Highway adjacent to Grand Lagoon State Park (CR 292A). The proposed sidewalk was designed with pedestrian amenities at approximately 1/2 mile intervals, including benches, waste receptacles and landscaping. Driveway and intersection improvements were designed to reduce potential pedestrian and vehicular conflicts.

Northridge Water and Waste Water Capital Improvement Project, City of Lynn Haven, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for this Capital Improvement Project in the Northridge area. The project consisted of converting 20 residential city blocks (approx 200 homesites) from on-site sewage disposal systems to a new public gravity sanitary sewer system while also installing public potable water services to many lots which were currently undeveloped. The work included the design of approximately 3.3 miles of water and wastewater infrastructure, including water service taps, meters, manholes, lateral stub-ups, connections to adjacent gravity sewer systems and the installation of a master lift station. Additionally, avoidance and/or replacement of existing drainage piping and structures, pavement cuts and patches, asphalt overlayment of streets and storm water pond modifications were designed as part of the project. In addition to local and state regulatory permit requirements, this project also included DEP environmental permit plans for dredging and filling. Citizen awareness and collaboration was also a key endeavor of this project to ensure existing and future homeowner's were provided a suitable connection point based on their respective OSDS location, invert and finished floor elevation.

Master Lift Station #1, City of Lynn Haven, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a city master lift station. The project consisted of replacing the first master lift station installed by the city over 50 years ago. The design constraints were constructing a new lift station system less than 20' from the edge of a waterway, keeping service on-line for a large area of city, and protecting the existing terracotta gravity sewer lines during construction and connection to the new pump station. This was achieved by several methods including: sheet piling, slip lining and "dog house" style manholes. Another important design aspect of the existing lift station was the influent pipe which was a welded steel sub aqueous crossing that was robotically videotaped for defects and leaks; after which it was determined that re-lining was required prior to extension to new lift station. All of the construction was contained on the original lift station easement and city owned property.

Wild Heron Residential Development and Sharks Tooth Golf Course, Wild Hero, LLC and the Lake Powell Residential Golf Community Development District, Bay County, Florida: Project Designer responsible for supporting several overall and individual aspects of the construction and permitting plans for a master planned 750+/- acre planned unit development including design support for the Shark's Tooth golf course for the. The project include over 11 miles of roadway and multi-span bridges, integrated and innovative storm water management features with water and waste water systems for several along Lake Powell, a designated Outstanding Florida Water (OFW). This work was coordinated with EDSA, Inc and Greg Norman's golf course design team.

The Enclave Luxury Apartment Homes, Arbor Properties Bay County, Florida: Project Designer responsible for developing conceptual design and construction and permitting plans for a 225-unit, gated luxury apartment complex. The 16+/- acre project was the final phase of a four-phase, 40-acre development consisting of over 1000 units. The specific phase IV site infrastructure design consisted of amenities, common parking areas and garages, over 2,000 lf of underground drainage pipe, 1.5-acre stormwater lake, water and waste water piping, a lift station, garbage compactor site, walking trail and environmental permit plans.

GreenTree Residential Subdivision, Bay County, Florida: Eric Brown was the project designer responsible for developing construction and permitting plans for a 43+/- acre residential subdivision for CCS Land, LLC. The project consisted of 103 lots varying in size from 10000 sq. ft. to 20000 sq. ft. with approximately 4400 l.f. of curb and gutter roadway which terminated in three cul-de-sacs. The layout of the subdivision was designed to be harmonious with the natural surroundings and the intent to produce a secluded, forested residential community was achieved. The design also included water and waste water infrastructure and the drainage consisted of a roadway curb inlets system with four storm water ponds plus the re-routing of a 20'+/- X 300'+/- wide ditch with armoring and piping. The project also included off-site utility, roadway and drainage improvements. In addition to local and state regulatory permit requirements, including FDEP environmental permit plans for dredging and filling plus FDOT access connection plans.

Coral Reef Condominium, Vero Mar Developments, Ltd., Bay County, Florida: Project Designer responsible for developing construction plans and permitting for a 14-floor, gulf-front condo. The 3.5+/- acre project consisted of 156 two and four bedroom units with on-site parking and garages, multiple pools, beach clubhouse and mechanical buildings. The site, utility and drainage infrastructure was designed to maximize the building area on the available property while allowing adequate amenities. In addition to local and state regulatory permit requirements, project also included FDEP beach dune restoration plans, CCCL permit plans and FDOT access connection plans.

Sanctuary at Bayou Village, Callaway Bayou Land Holdings, LLC, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a new neo-traditional residential subdivision. The project consisted of 1.8 miles of new roadway with three hammerhead cul-de-sacs, one pedestrian foot bridge and one vehicular span bridge. Drainage design included five stormwater ponds, 6700+/- lf of drainage pipe and 106 drainage structures. Water, reuse and waste water design consisted of approximately 6 miles of piping plus 3 lift stations. In addition to local and state regulatory permit requirements, this project also included DOT construction plans for turn lanes and drainage improvements.

Shadow Ridge Subdivision, Bay County, Florida: Project designer responsible for developing construction and permitting plans for a new residential subdivision. The project consisted of 375 L.F. of new paved roadway & cul-desac, including curb & gutter, sidewalks and underground electric utilities to serve the 12 proposed lots which varied in size from 0.25 Acre to 0.75 Acre. Storm water treatment was accomplished via a dry retention pond and a network of drainage pipes & structures. Potable water, reuse irrigation and sanitary sewer design was also required. Each individual lot was designed to utilize a simplex "can station" type grinder to handle waste water flows. Additionally, over 1100 L.F. of off-site water main & 1500 L.F. of off-site force main were required to tie into existing public utilities. Local and state regulatory permit drawings were required, along with off-site improvements.

Casa Del Mar, Bay County, Florida: Project designer responsible for developing construction and permitting plans for a new Gulf-view, luxury residential condominium development in. The project consisted of 650 LF of new paved roadway w/ garage parking areas to serve the 16 proposed 4 story duplex condos. Storm water treatment was accomplished via interconnected dry retention ponds & swales plus a network of drainage pipes & structures. Design of potable water & fire protection plus gravity sanitary sewer with a lift station was also required. Local and state regulatory permit drawings were required, along with off-site improvements.

Sienna Garden Apartments, Bay County, Florida: Project designer responsible for developing construction and permitting plans for a new affordable community for active seniors in. The project consisted of the design of 150 unit apartment complex for retired, active seniors over the age of 55. The gated community plans also featured a club house, swimming pool, putting green and the creation of a bus stop & shelter connected to the community. Storm water treatment for the 3+ Acres of impervious area was addressed with a dry retention pond & a system of drainage pipes & structures. Potable water required 1350 LF extension of existing off-site water system. Sanitary sewer requirements included a gravity sewer system along with a lift station and force main to connect to existing public waste water system. A retaining wall system was designed to allow for the required wetland setback & to reduce fill requirements.

George P. McLatchey, CEP, PWS

Environmental Analysis and Engineering



Years of Experience

17 Total
14 With Firm

Certification

Certified Environmental Professional No. 10050430, Academy of Board Certified Environmental Professionals, 2010

Professional Wetland Scientist, No. 1259, Florida, 2000

Certified Professional in Erosion and Sediment Control, No. 2151, Florida, 2000

Education

Master's of Science in Soil and Water Science/ Environmental Engineering Sciences, University of Florida, 1995

Bachelor's of Science in Microbiology, University of Florida, 1991

Professional Affiliation

Society of Professional Wetland Scientists

USACOE Certified Wetland Delineator

Florida Association of Environmental Professionals

Publication/Presentation

Regulation of Organic Matter Decomposition and Nutrient Release in a Wetland Soil, *Journal of Environmental Quality*, September 1998

Introduction to State and Federal Wetland Permitting Policies and Procedures, American Public Works Association, 2007

PROFESSIONAL PROFILE

George P. McLatchey, CEP, PWS serves as Department Manager for DRMP's Ecological and Environmental Sciences Department and has been a principal field investigator, staff supervisor, and project manager on several hundred projects. Mr. McLatchey has extensive experience in all aspects of federal and state permitting, National Environmental Policy Act (NEPA) compliance, including Wetland Evaluation Reports (WER), Endangered Species Biological Assessments (ESBA), and Essential Fish Habitat Assessments (EFHA). He is a certified Professional Wetland Scientist (PWS) and Certified Environmental Professional (CEP) and has a Bachelor's and Master's degree from the University of Florida with an emphasis in the discipline of wetland and ecological studies.

Mr. McLatchey's areas of specialization include federal, state, and local environmental permitting, mitigation design, wetland jurisdictional delineations and evaluations, listed species studies/relocation, ecological monitoring, lake water quality studies, and alternative corridors/alignment analysis. Mr. McLatchey has worked extensively on various public and private projects and has been involved with the environmental aspects of the planning, design and permitting of these projects. This project experience has given Mr. McLatchey strong qualifications in the PD&E and EIS process, corridor and alternative analysis, wetland and wildlife evaluations, mitigation design, public involvement, and permitting.

RELEVANT PROJECT EXPERIENCE

Florida Hospital Due Diligence, Orange County, Florida: Environmental Manager: Performed environmental assessment, exhibits, and due diligence report for a new 116-site development. Tasks included wetland assessment, listed species survey, agency coordination and conceptual permitting and mitigation plan.

Hattaway Investment Corporation Properties, Seminole County, Florida: Environmental Task Manager for the preparation of a Conceptual ERP through the SJRWMD and developed mitigation plan for multi-family townhouse/commercial development. Established jurisdictional wetland line and performed listed species surveys and agency coordination.

ChampionsGate Golf Course, Osceola County, Florida: Environmental Task Manager to design and permit wetland impacts through SFWMD. Designed wetland planting mitigation plan associated with wetland impacts through SFWMD and ACOE in Osceola County for the development of resort and golf course.

Palisades Phase II and III Subdivision, Lake County, Florida: Environmental Task Manager to establish and permit a formal jurisdictional wetland delineation with SJRWMD, performed a listed species survey, wetland analysis for elimination and reduction of impacts, and prepared required permitting with SJRWMD, ACOE, and Lake County for the development of the second and third phases of a residential subdivision and golf course.

Brooksville Residential Development, Hernando County, Florida: Environmental Task Manager to establish formal jurisdictional wetland delineation with SWFMD, conducted protected species on a 40 acre property, developed conceptual mitigation plan and identify permitting requirements.

Public Works Yard, City of Maitland, Orange County, Florida: Environmental Project Manager for the Due Diligence and gopher tortoise survey associated construction of the City's Public Works and Fire Department buildings.

Disney's Saratoga Springs at Downtown Disney, Walt Disney Imagineering, Osceola County, Florida: Environmental Project Manager for a Threatened and Endangered Species survey, coordination with FFWCC and USFWS, gopher tortoise survey and relocation for the demolition of existing villas, re-design of resort community, and construction of 10 new resort villas.

Environmental Impact Assessment Review for the Fountain Park Development, Seminole County, Florida: Provided comments associated with the 145 acre residential subdivision related to listed species, wetlands and permitting. The development planned for construction of residential community, elementary school, parks, and associated infrastructure.

Trinity Preparatory School, Seminole County, Florida: Environmental Manager for permitting and design of wetland restoration site, permitting of site plan, agency coordination for eagles, and eagle nest monitoring on school property.

Toyota of Clermont Due Diligence, Toyota Dealership, Lake County, Florida: Environmental Manager. Performed initial environmental due diligence, including wetland assessment, listed species survey, agency coordination and conceptual permitting and mitigation plan.

Lake Betty Office Park Due Diligence, Orange County, Florida: Performed initial environmental due diligence, including wetland assessments, listed species survey, agency coordination and conceptual permitting and mitigation plan.

School Board Bus Transit Facility Due Diligence, Volusia County, Florida: Environmental Manager. Performed initial environmental due diligence, including wetland assessment, listed species survey, agency coordination and conceptual permitting and mitigation plan for the development of a bus transit facility in Volusia County.

State Farm Property Due Diligence, Orange County, Florida: Environmental Manager performing the initial environmental due diligence, including wetland assessment, listed species survey, agency coordination and conceptual permitting and mitigation plan.

Palisades Phase III Subdivision, Lake County, Florida: Environmental Task Manager to established and permit a formal wetland delineation with SJRWMD, performed a listed species survey, wetland analysis for elimination and reduction of impacts, and prepared required permitting with SJRWMD, ACOE, and Lake County.

Econlockhatchee River Wetland Mitigation Plan and Design, Orange County, Florida: Project Manager for wetland restoration project. Prepared planting plan, performed annual vegetative monitoring and submitted reports to the St. Johns River Water Management District (SJRWMD) associated with the restoration and mitigation plan for the Econlockhatchee River for Orange County.

Midway Regional Stormwater Facility, Seminole County, Florida: Environmental Scientist. As part of the CEI team for this large stormwater facility that will supplement regional surface drainage for Seminole County, performed inspections of plant specimens to determine plant health prior to planting. Inspected plantings to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Lake John, City of Mount Dora, Lake County, Florida: Environmental Scientist for a stormwater improvement and ecological restoration project in an urban area. Prepared and secured the St. Johns River Water Management District Permit, developed a planting and monitoring plan for a six acre conservation easement created as mitigation for wetland impacts. Performed planting inspections during construction to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

ChampionsGate Development Wetland Restoration Site, Osceola County, Florida: Project Manager for wetland restoration project. Prepared mitigation and planting plan, performed bi-annual wetland monitoring of a mitigation site and evaluated the wetland quality and mitigation success in three annual monitoring reports to SJRWMD.

Mitigation Bank Feasibility Study at Paynes Prairie, Alachua County, Florida: Environmental Project Manager for a feasibility study to develop a mitigation bank over a property 767 acres in size. Services included habitat analysis, vegetative mapping, wetland assessment, and listed species studies. Report estimated functional lift to natural resources if mitigation the bank were constructed and anticipated revenue generated with bank.

Dickson Azalea Park Restoration, City of Orlando, Orange County, Florida: Environmental Project Manager for wetland restoration project. This project involved the preparation of Construction Plans and securing permits for realignment of the stream and bank stabilization project in the Colonialtown South neighborhood in the City of Orlando. The project involved replacement and repair of erosion protection systems in the historical Dickson Azalea Park. This project required extensive involvement and coordination with the general public and the City's historical preservation staff. Design was completed in 2002 and construction was completed in 2003.

Jones Avenue Wetland Restoration Project, Orange County, Florida: Environmental Project Manager for wetland restoration project. This project involved the design of a wetland restoration area and establishment of a master drainage plan for a 2.5-square mile watershed connected to Jones Avenue north of Lake Apopka in Zellwood, Florida. The project included development of a 37-acre wetland system that would provide storm water quality improvements and improved wildlife habitat. The project is a joint effort between the St. Johns River Water Management District and Orange County. An Individual Environmental Resource Permit was obtained from the St. Johns River Water Management District and a Notice General Environmental Resource Permit was obtained from the Florida Department of Environmental Protection.

Maitland Downtown Redevelopment Mitigation Plan, City of Maitland, Orange County, Florida: Environmental Project Manager for developing a mitigation plan for wetland impacts associated with development. The mitigation plan called for hydrologic enhancement and exotic vegetative species removal on a 115 acres track. This property was then placed into a Conservation Easement as required by the SJRWMD and ACOE permit conditions.

Douglas A. Skurski, PWS

Environmental Analysis and Permitting



Years of Experience

10 Total
8 With Firm

Professional Registration/Certification
Professional Wetland Scientist (PWS) No. 1719
Florida Fish and Wildlife Commission Authorized Gopher Tortoise Agent; GTA-09-0237A

Education

Master's of Science in Biology, University of Central Florida, 2005
Bachelor's of Science in Zoology; Washington State University, 1998

Professional Training
Wetland Plant Identification, Institute for Wetland and Environmental Education and Research, Inc., 2006

Uniform Mitigation Assessment Method, Field Workshop, Central Florida Association of Environmental Professionals, 2004

UMAM Technical Training, Southwest Florida Water Management District; 2003

Hydric Soils Workshop, Florida Association of Environmental Soil Scientists, 2001

Professional Affiliation
Society of Wetland Scientists
National Association of Environmental Professionals
Florida Association of Environmental Professionals
Central Florida Association of Environmental Professionals

Software Aptitude

ESRI ArcGIS 9.3
ESRI ArcPad 7.0.1
Autodesk Civil 3D
Corpscon
Garmin MapSource
XLSTAT 2008
SPSS 10.0
Trimble Terra Sync
Trimble GPS Correct 2.0

PROFESSIONAL PROFILE

Douglas A. Skurski, PWS is an Environmental Project Manager in DRMP's Ecological and Environmental Sciences Department. His responsibilities include wetland assessments, federal, state, and local permitting, protected species studies, GIS mapping and analyses, land use/cover classification and habitat evaluation, environmental impact mitigation, and staff coordination and management to accomplish environmental tasks. He has worked on numerous projects involving environmental management for both public and private clients.

Through continuing education and professional experience, Mr. Skurski has specialized in animal behavior and wildlife ecology. He is proficient in survey methodologies for many of Florida's listed species, and has developed extensive relationships with personnel from both state and federal wildlife agencies. His knowledge and expertise has proven invaluable to the wildlife permitting efforts of projects throughout the state.

RELEVANT PROJECT EXPERIENCE

Disney's Saratoga Springs at Downtown Disney, Walt Disney Imagineering, Orange County, Florida: Environmental Scientist. Performed a Threatened and Endangered Species survey, coordination with FFWCC and USFWS, gopher tortoise survey and offsite tortoise relocation for the demolition of existing villas, re-design of resort community, and construction of 10 new resort villas. GPS coordinates gopher tortoises were imported into GIS and incorporated into design and permitting documents.

Florida Hospital DRI, Florida Hospital, Orange County, Florida: Environmental Scientist for a development of regional impact (DRI) review. Prepared survey methodologies, GIS data query and mapping, GIS data query and mapping, provided environmental documentation including wildlife and wetland survey results, and historical tree survey information within the project limits.

Trinity Preparatory School, Seminole County, Florida: Environmental Scientist. Coordinated with USFWS, FFWCC, and Seminole County Environmental for bald eagle issues. Modified existing ERP to accommodate school expansion. Permitted recreational boardwalk through wetlands.

Palisades Phase III Subdivision, Canam Palisades, Lake County, Florida: Environmental Project Manager. Established and permitted formal wetland delineation with SJRWMD, performed a listed species survey, wetland analysis for elimination and reduction of impacts, and prepared required permitting with SJRWMD, ACOE, and Lake County for the development of the third phase of a residential subdivision and golf course.

Northridge Meadows, Morrison Homes, Seminole County, Florida: Environmental Project Manager. Prepared Conceptual ERP and developed mitigation plan for multi-family townhouse/commercial parcel mixed development. Established jurisdictional wetland line and performed listed species surveys and agency coordination. Coordination with FFWCC for black bear and sandhill crane habitat impacts. Mitigation included preservation of wildlife corridor plus mitigation banking.

Prescott Landing, Brooksville Associates, Hernando County, Florida: Environmental Project Manager. Performed a due diligence evaluation of wetlands on a property slated for development and performed a protected species survey to identify the potential occurrence of protected wildlife species. Established and permitted formal wetland delineation with SWFWMD. Permitted proposed multi-family housing development with SWFWMD, including design of approximately 11 acres of onsite forested wetland creation to offset wetland impacts associated with site development.

Julington Oaks, Forte Macaulay Development Consultants, Volusia County, Florida: Environmental Scientist for approximately 30 acre residential development. Conducted tree surveys for specimen and historic trees by collecting GPS location data based on the Volusia County and City of Edgewater land development codes. Coordinated required permitting for specimen and historic trees within the project limits.

Worthington Creek, Forte Macaulay Development Consultants, Volusia County, Florida: Environmental Scientist for approximately 100 acre residential development. Conducted tree surveys for specimen and historic trees by collecting GPS location data based on the Volusia County and City of

Edgewater land development codes. Coordinated required permitting for specimen and historic trees within the project limits.

Royal Oaks and Twelve Oaks, Lennar Homes, Volusia County, Florida: Environmental Scientist for approximately 900 acre residential developments. Conducted tree surveys for specimen and historic trees by collecting GPS location data based on the Volusia County and City of Deland land development codes. Coordinated required permitting for specimen and historic trees within the project limits.

SR 520 54" Water Transmission Main, City of Cocoa, Brevard County, Florida: Environmental Scientist. Prepared and implemented a Bald Eagle Monitoring Plan during construction within proximity of active eagle nests. GPS coordinates of the bald eagle nests imported into GIS, protection zone buffers were offset from the nest locations, and enforcement of those protection zones was incorporated into design and permitting documents. Prepared an Environmental Resource Permit and US Coast Guard Bridge Permit for the construction and installation of a 54" potable water transmission main within FDOT Right-of-Way along SR 520. Coordination with SJRWMD, Army Corps of Engineers (ACOE), United States Fish and Wildlife Service (USFWS), Florida Fish and Wildlife Conservation Commission (FFWCC), US Coast Guard, Florida Department of Environmental Protection (FDEP), and Orange County.

Ohio Avenue Outfall Ditch Channel Stabilization, FDOT District Five, Osceola County, Florida: Environmental Scientist. Coordinated with SFWMD and prepared an Environmental Resource Permit for the stabilization of the outfall ditch with fabric-formed riprap.

Dunnellon Recreational Trail, FDEP, Citrus County, Florida: Environmental Project Manager. Delineated wetlands, consulted with FDEP for Wetlands, Threatened and Endangered species issues, performed environmental permitting with SWFWMD and ACOE, and wildlife coordination with FFWCC and USFWS for the construction of a recreational trail within the FDEP Cross Florida Greenway property.

Rodman Dam Campgrounds, FDEP, Putnam County, Florida: Environmental Project Manager. Performed wetland delineation, SJRWMD and ACOE coordination and environmental permitting, and wildlife coordination with FFWCC and USFWS for the construction of camping facilities along the Florida Barge Canal within the Rodman Dam recreational area.

Kenwood Boat Ramp, FDEP, Putnam County, Florida: Environmental Project Manager. Provided evaluation of wetlands and potential for protected wildlife species near an existing boat ramp for the purposes of improving the public recreational facilities. Provided environmental permitting with SJRWMD, and coordination with FFWCC and USFWS.

Lake Minnehaha Park Boardwalk, City of Maitland, Orange County, Florida: Environmental Scientist. Performed listed species survey and environmental permitting with FDEP for the construction of a boardwalk through forested wetlands within Minnehaha Park. Prepared onsite mitigation planting plan and conducted annual mitigation site inspections. Prepared onsite mitigation planting plan and conducted annual mitigation site inspections.

Grantham Point Bank Stabilization, City of Mount Dora, Lake County, Florida: Environmental Scientist. Prepared and submitted environmental permits to FDEP for the reconstruction and bank stabilization of Grantham Point at Lake Dora.

Cross Seminole Trail, Seminole County, Florida: Environmental Scientist. Performed wetland delineation, coordination with USFWS and FFWCC, Threatened and Endangered Species survey, gopher tortoise survey and permitting. Also performed SJRWMD/ACOE permitting for the construction of a 2.8 mile recreational trail within the vacated CSX railroad Right-of-Way. GPS coordinates of gopher tortoises and a bald eagle nest were imported into GIS and incorporated into design and permitting documents.

Cooter Pond Park, City of Inverness, Citrus County, Florida: Environmental Project Manager. Prepared SWFWMD Environmental Resource Permit (ERP) and FDEP Aquatic Plant Management permit for development of a city recreational park with a boardwalk pier over Cooter Pond. Mapped aquatic characteristics of pond in GIS, and calculated areas of noxious aquatic vegetation to be removed for pond beautification.

Public Works Yard, City of Maitland, Orange County, Florida: Environmental Scientist. Performed gopher tortoise survey for the construction of Public Works and Fire Department buildings.

School Board Bus Transit Facility, Volusia County, Florida: Environmental Project Manager. Performed initial environmental due diligence, including wetland assessment and listed species survey, and prepared SJRWMD and ACOE environmental permits for the development of a bus transit facility.

FP&L Desoto and Marin Solar Energy Sites, Desoto and Martin Counties, Florida: Environmental Scientist. Project included the excavation, processing, transport and release of gopher tortoises within the FP&L DeSoto and Martin Counties Solar Power Generation sites. Each site was excavated using three full backhoe teams working at the same time. The total gopher tortoise burrows excavated at each site included 48 burrows at the DeSoto County site and 28 burrows at the Martin County site. Captured tortoises counts were 14 and 6 respectively. Following the capture of tortoises at each site, they were processed, marked, and released at the Longino Ranch recipient site in accordance with permit conditions.

Jocelyn M. Haisch-Linn, PE

Structures



Years of Experience

11 Total
6 With Firm

Professional Registration

Professional Engineer
No. 60103, Florida, 2003

Education

Master's of Science in Civil
Engineering, Iowa State
University, 1999

Bachelor's of Science in
Physics, South Dakota
School of Mines &
Technology, 1995

Professional Affiliation

American Society of Civil
Engineers

Software Aptitude

MicroStation
GEOPAK
RCPier
MathCAD
FDOT LRFD Prestressed
Beam
FDOT Drilled Shaft Design
FDOT Span Overhead Sign
Program
FDOT Mast Arm Program
FDOT Biaxial Column
FDOT Cantilever Overhead
Sign Program
ATLAS
FDOT High Mast Light Pole
Program
FDOT Strain Pole Program
FDOT LRFD Box Culvert
Program

Awards

Florida APWA Project of the
Year - I-4 Pedestrian
Overpass

McGraw Hill Southeast
Construction Magazine Best
of 2003 Award of Excellence
- I-4 Pedestrian Overpass

Associated General
Contractors of Central
Florida Build Central Florida
Award - I-4 Pedestrian
Overpass

PROFESSIONAL PROFILE

Jocelyn M. Haisch-Linn, PE is a Project Manager in the Structures Department. Design assignments have included AASHTO girder bridges, minor bridge widenings, and pedestrian bridges. Other assignments have included pier protection analysis, overhead sign structure design, cantilever sign structure design, bridge-mounted sign design, barrier mounted sign design, mast arm pole design, strain pole design, ITS pole design, high mast and standard light pole special foundation design, shop drawing review, wall design, and railroad coordination.

RELEVANT PROJECT EXPERIENCE

Cross Seminole Trail SR 434 Overpass, Seminole County, Florida: Design Engineer responsible for design and plans preparation of an 880 foot long multi-use trail bridge including approach ramps. The main portion of the bridge is comprised of three spans of simply supported Florida U-Beams having lengths of 88, 138, and 88 feet to support a cast-in-place composite deck. The main span substructures are comprised of decorative arch shaped cast-in-place concrete piers supported on spread footings. Façade panels were used to produce architectural cladding on the sides of piers and at ramp landing locations. The project was a design-build contract done in conjunction with Jones Brothers Construction Company and included construction quality control services.

Lake Mary Boulevard Pedestrian Bridges, Seminole County, Florida: Project Engineer responsible for the design and plans production of two pedestrian bridges spanning Lake Mary Boulevard. Each of the bridges' main span superstructures crossing Lake Mary Boulevard consists of a single 153 foot span comprised of two custom L-shaped prestressed beams. The main span beams were designed such that the deck slab is supported on the bottom flange of the beams. The ramps are composed prestressed slabs and precast pier caps supported by cast-in-place columns and footing caps. The foundations are made up of a combination of pile supported footings in pond locations and shallow spread footings at the remaining locations.

Seminole Wekiva Trail SR-434 Pedestrian Underpass, Seminole County, Florida: Project Engineer responsible for design and plans preparation of a 255 foot cut-and-cover tunnel used to provide a multi-use trail crossing under State Road 434. The trail passes under the SR 434 roadway at a 55 degree skew to the highway alignment. Based on the skewed trail alignment, custom skewed precast tunnel components were designed such that they were consistent with multiple phases of construction. Tunnel components were designed using finite element modeling to evaluate complex bending effects imposed on the box components as a result of applicable load combinations and the skewed geometry.

I-4 Pedestrian Overpass, Seminole County, Florida: Design Engineer for a 1000 foot long multi-use trail bridge including approach ramps and a cable supported main span of 373 feet over Interstate-4. The main span consists of a steel frame superstructure supported by stay cables anchored into 95 foot cast-in-place pylons on each side of Interstate-4. The forces of the main span stay cables are resisted by stay cables attached at the top of each pylon in the back spans and anchored into a three million pound reaction box on each side of the main span of the bridge. Each reaction box is comprised of a soil filled cast-in-place concrete structure having a length of 65 feet, a width of 18 feet, and a depth of 22 feet serving as the trail deck surface at each location. Specifically responsible for the design and plans production of the main span stay pylons and reaction boxes, including the steel components. Also responsible for the design and plans production of soil filled cast-in-place concrete structures which served as the landing deck surface at corners in the ramp. The project was a design-build contract done in conjunction with Martin K. Eby Construction Company and included construction quality control services.

Turnpike Systemwide Bridge Pier Protection Program, Florida's Turnpike Enterprise, Various Counties, Florida: Project Manager and Engineer of Record for a project responsible for evaluating all bridges over facilities owned by Turnpike Enterprise to determine whether the bridge columns are capable of withstanding the LRFD 400 kip impact force and whether the bridge site meets the requirements of Roadway Design Bulletin 06-10. Responsible for coordinating field data collection at 116 bridge sites. Also responsible for analyzing field data, providing shear analysis, and making pier protection recommendations at 207 bridge sites.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida’s Turnpike Enterprise, Various Counties, Florida: Project Engineer and Engineer of Record for 32 cantilever sign structures, six overhead sign structures, and four ITS strain poles used for mounting traffic data collectors. Concrete pads, some of which are supported by gravity walls, were provided at twenty-five sign structure locations. Responsible for all major design decisions, design of all strain poles, design of all concrete pads, and plans preparation. Provided QA and QC and shop drawing review for the design of six overhead sign structures and thirty-two cantilever sign structures.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida’s Turnpike Enterprise, Polk County, Florida: Project Engineer and Engineer of Record responsible for design of four overhead sign structures, eight ITS strain pole designs used for mounting traffic data collectors, and plans preparation. Responsible for design of concrete pads, one of which is supported by gravity walls, at four sign structure locations. Also, responsible for shop drawing review.

Lake Jesup Toll Plaza ORT Conversion (SR 417), Florida’s Turnpike Enterprise, Seminole County, Florida: Project Manager for Post-Design Services, and Structures Project Manager and Engineer of Record responsible for the design of two MSE retaining walls, three special foundations for standard light poles, five overhead sign structures, a barrier wall mounted sign, and two ITS strain pole designs used for mounting traffic data collectors.

SR 15, FDOT District Five, Orange County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a five thousand foot long box culvert, two standard mast arms, and three single-span strain pole systems utilizing two point attachments to the strain poles.

SR 228, FDOT District Two, Duval County, Florida: Structures Project Manager and Engineer of Record responsible for the design of sixteen box culvert extensions to nine box culverts, including two bridge box culverts.

SR 25, FDOT District Four, Broward County, Florida: Structures Project Manager and Engineer of Record responsible for the design and fatigue analysis of two special mast arms to support school zone signs.

SR 838 at Northwest 24th Avenue, FDOT District Four, Broward County, Florida: Structures Project Manager and Engineer of Record responsible for the design and fatigue analysis of one special mast arm to support school zone signs.

SR 152 (Baymeadows Road), FDOT District Two, Duval County, Florida: Structures Project Manager and Engineer of Record responsible for the design of nineteen standard mast arms and two special mast arms.

SR 111 (Edgewood Avenue), FDOT District Two, Duval County, Florida: Structures Project Manager and Engineer of Record responsible for the design of twenty-five standard mast arms.

SR 546, FDOT District One, Polk County, Florida: Structures Project Manager and Engineer of Record responsible for analysis of 18 existing mast arms and one existing suspended box strain pole system to determine structural adequacy under proposed loading.

SR 715, FDOT District Four, Palm Beach County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a box strain pole system utilizing single point attachments to the strain poles.

Kingsfield Road at South Highway 95A, Escambia County Miscellaneous Traffic Signals Project, Escambia County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a box strain pole system utilizing single point attachments to the strain poles.

SR 500, FDOT District Five, Lake County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a two box strain pole systems and one three-sided strain pole system utilizing two point attachments to the strain poles.

SR 736 (Davie Boulevard) at SW 15th Avenue, FDOT District Four, Broward County, Florida: Project Engineer responsible for the design of a box strain pole system. The existing box strain pole system was being re-designed due to the addition of a right turn lane. The new design utilized two new strain poles and the two remaining existing strain poles were fitted with guy wires.

SR 528, Beachline Widening Project, Florida’s Turnpike Enterprise, Orange County, Florida: Served as Assistant Project Manager during post design phase responsible for leading the structural post design activities and shop drawing reviews. Served as Project Engineer for structural improvements along this toll facility. This project involves the widening of an 8.4 mile segment of the Beachline from a 4-lane to a 6-lane section. Responsible for the design and plans preparation of three bridge sites. The first bridge site consisted of widening two skewed bridges spanning a CSX railroad. One of these bridges also has a variable width. These bridges utilized AASHTO prestressed beams and prestressed concrete pile bents. The second bridge site consisted of a skewed and curved bridge spanning a CSX railroad. This bridge also utilized AASHTO prestressed beams and prestressed concrete pile bents. The final bridge site consisted of widening two bridges with a total of four different skew angles and fifteen spans over a ten-track CSX railroad yard. These bridges utilized both custom and standard AASHTO prestressed beams and concrete pile bents. One of these bridges also incorporated the design of a straddle bent. Determined wall geometry for MSE, sheet pile, and crash walls. Also assisted in railroad coordination to limit impact to CSX Transportation during construction.

Peeter Mannik, PE

Structures



Years of Experience

53 Total
18 With Firm

Professional Registration

Professional Engineer No.
39860, Florida

Professional Engineer No.
16614, Alabama

Professional Engineer No.
20536, Colorado

Professional Engineer No.
17236, Georgia

Professional Engineer No.
14745, North Carolina

Professional Engineer No.
12382, South Carolina

Professional Engineer No.
28823, Ohio

Education

Bachelor's of Science in Civil
Engineering, Ohio Northern
University, 1956

Professional Affiliation

National Society of
Professional Engineers
Florida Engineering Society
American Society of Civil
Engineers

American Concrete Institute
Prestressed Concrete
Institute

PROFESSIONAL PROFILE

Peeter Mannik, PE is a Senior Project Manager of DRMP's Structure Group and is currently responsible for toll plaza structural design, reviewing bridge designs and performing structural engineering of special projects for the theme parks. During his career span, his experience has encompassed wide and varied structural engineering assignments in the private and public sectors involving many varying degrees of complexity.

His experience in transportation engineering includes design, checking and reviewing of bridge design plans varying from single span bridges to complex curved structures and field construction management. Other experience includes: toll plaza design, highway design; location and cost studies for engineering reports; design of retaining walls, concrete box and arch culverts; and miscellaneous drainage structures. Also, he has performed construction inspection on numerous building projects including pile and caisson foundation installations, reinforcing and post-tensioning steel placement, structural steel erection and concrete placement.

RELEVANT PROJECT EXPERIENCE

Ivey Road Pedestrian Overpass, FDOT District Two, Florida: Responsible for checking the design and plans for this 200 foot truss span. The truss utilizes square and rectangular HSS Tubes with partial penetration welds.

SR 414/Maitland Boulevard Extension Mainline Toll Plaza, Orlando-Orange County Expressway Authority, Orange County, Florida: Plans preparation for new mainline toll plaza with express tolling lanes. Also, included are four new ramp toll plazas.

SR 417/Seminole Expressway, Lake Jessup Toll Plaza Open Road Tolling Conversion, Florida's Turnpike Enterprise, Seminole County, Florida: Conversion of existing mainline toll plaza to an express tolling facility.

SR 417/University Boulevard Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility.

SR 408/Dean Road Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: project consisted of converting existing toll facility to express tolling facility with expansions required at Rouse Road Ramp Plazas.

SR 417/Curry Ford Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility.

SR 408/Holland West Mainline Toll Plaza Replacement, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility. Also included are new toll plazas at Ortman Drive on-ramp, Old Winter Garden Road off-ramp, John Young Parkway on and off-ramps, and modifications of Orange Blossom Trail on and off-ramps.

SR 408/Holland East Mainline Toll Plaza Replacement, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility. Also included are new S.R. 436 eastbound exit ramp and modification of S.R. 436 off-ramp and Yucatan Drive on-ramp.

SR 528/Beachline Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility.

I-75 Widening, FDOT District Five, Marion County, Florida: Project Manager and Engineer of Record for bridge widenings and replacements at six sites. All bridges utilized AASHTO prestressed beams

and substructures on prestressed concrete piles. Provided QA and QC for the design and plans preparation for these bridges.

US 1 Bridge Safety Improvements, FDOT District Two, Duval and Nassau, Counties, Florida: Project Manager and Engineer of Record for bridge widenings and replacements of 14 bridges. All bridges were stream crossings utilizing cast-in-place slab superstructures and prestressed concrete pile bent substructures. Provided QA and QC for the design and plans preparation for these bridges.

Osceola Parkway, Osceola County, Florida: New limited access roadway with three bridge sites. All bridges utilized AASHTO prestressed beams and end bents with MSE walls. Provided QA and QC for the design and plans preparation for these bridges.

Orchard Avenue over Little Dry Creek, Denver, Colorado: Project Engineer responsible for design and plans preparation for this two span bridge with prestressed concrete double-tee superstructure, concrete stub abutments and wall-type pier.

R&F Coal Company Haul Road over County Road, Belmont County, Ohio: Project Engineer responsible for design and plans checking for this three span bridge with prestressed concrete box beam superstructure with heavy timber wearing deck designed for 100 ton capacity off-road haul trucks. Substructure used capped steel pile abutments and piers.

Second Level Walkway System, Cincinnati, Ohio: Project Engineer responsible for design and plans preparation for this complex system of continuous and single span post-tensioned concrete beams and slabs with spans up to 100 feet. Substructure consisted of concrete bents, cantilevered frames, T-type piers and adjacent building frames.

Pedestrian Bridges at River Dormitories, Ohio State University, Columbia, Ohio: Project Engineer responsible for design and plans preparation for single span bridges with curved post-tensioned concrete girders and concrete deck. Substructures were concrete stub abutments, pedestal type piers and building frame.

SR 429 over SR 530 (Dual Bridges), Florida's Turnpike Enterprise, Orange County, Florida: Responsible for checking the design and plans for these single span superstructures with welded plate girders and concrete deck.

SR 414, Maitland Boulevard Extension, Orange and Seminole Counties, FDOT District Five: Project Manager and Engineer of Record for two bridge sites. Bridges utilized AASHTO prestressed beams, Florida Bulb-Tees and a 210 foot steel plate girder span. Substructure used prestressed concrete and steel pipe pile bents. Provided QA and QC for the design and plans preparation for these bridges. Also responsible for checking the design and plans for the 210 foot steel plate girder span.

Lakeland In-Town Bypass, City of Lakeland, Lake County, Florida: Responsible for checking the design and plans preparation for a continuous steel plate girder bridge superstructure with span of 240 feet, 178 feet and 156 feet.

A. Max Brewer Bridge Replacement Design Build, FDOT District Five, Brevard County, Florida: Mr. Mannik served as the Chief Structural Engineer and performed all the post tension calculations and design for this three span continuous post tensioned superstructure. Project involves construction of a new 3,207-foot high level bridge over the Indian River and the Intracoastal Waterway to replace an existing swing span bridge. The new Max Brewer Bridge is comprised of a total of 22 spans including a three-span spliced continuous modified Florida bulb-tee beam superstructure over the navigation channel. The three span channel unit is comprised of spans having lengths 170'-221'-170' respectively providing 65-feet of vertical clearance over the Intracoastal Waterway. The approach spans are simply supported all having a lengths of 147' each comprised of 78 inch Florida bulb-tee beams. Foundations for the bridge consist of single column hammer head style piers supported by precast concrete piling ranging in size from 24-inch square to 36-inch square. Foundations in the waterway were designed to resist vessel impact forces in accordance with LRFD requirements.

SR 528 over CSX Railroad Yard, Florida's Turnpike Enterprise, Orange County, Florida: Project Engineer for the design of a reinforced concrete straddle bent over railroad tracks to support the existing bridge widening. Due to the physical constraints and Railroad requirements to maintain traffic on these tracks, a unique solution was required. Several options were considered and the one selected for final design utilized cast-in-place concrete frame using stay-in-place steel form capable of spanning the railroad tracks without any shoring. Also a finite element analysis was used to check the stiffened beam seats of the steel form.

R&F Coal Company, Rail Dump Reclaim Tunnel, Belmont County, Ohio: Responsible for checking the design and plans for this tunnel constructed under railroad tracks. Additional design and construction concern was the presence of high water table. At the lowest point the top of tunnel was 40' below finished grade.

Jeffrey R. Lance, PSM

Survey



Years of Experience

19 Total
8 With Firm

Professional Registration
Professional Surveyor and
Mapper, No. LS5657, Florida,
1996

Education
Bachelor's of Science in
Surveying and Mapping,
University of Florida, 1990

Professional Affiliation
Florida GPS Users Group
Florida Surveying and
Mapping Society
American Congress on
Surveying and Mapping

Software Aptitude
AutoCAD
CAICE
GPSurvey
Trimble Geomatics Office
Pathfinder Pro
EFBP
Vector
Ski, Ski-Pro

PROFESSIONAL PROFILE

Jeffrey R. Lance, PSM serves as DRMP's Survey Office Manager for the Chipley office. In addition, he is responsible for the management of all FDOT District Three survey services and continues to support the firm, statewide, with geodetic surveying support and training.

Mr. Lance has extensive expertise in providing government agencies and private sector clients with specialized surveying and mapping. His experience includes Geodetic Surveying, specializing in Global Positioning System (GPS) applications and network adjustment, including Precise Leveling, automated Hydrographic surveying, Geographic Information System (GIS) applications, and traditional land surveying. His GPS experience has involved all phases of the system and has ranged from small-scale photogrammetric control projects to county and statewide control densification projects.

RELEVANT PROJECT EXPERIENCE

Tapestry Park, Mark Tanney, Bay County, Florida: Project Manager and Lead Civil Engineer involved in the planning, surveying, permitting, engineering design, development and construction inspection of this 57± acre Neighborhood with residential and mixed use development for one of the first Neo-Traditional communities in the Florida panhandle. Working with the developer, a master plan was created for Tapestry Park that includes planning the roadways, utilities and stormwater management systems to allow for this project to be constructed in Phases. The design includes multiple lift stations and a 1500 lineal foot extension of the 12" sanitary force main to the Panama City Beach sewer system.

Breakfast Point Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 1473-acre, \$500,000 boundary, topographic, and wetland survey to support site development in Panama City Beach. This project included the sectional retracement of three sections, analysis of title commitment, boundary survey, high and low quality jurisdictional wetland location of over 16,000 points, and a topographic survey of the entire acreage. Subsequent work included the preparation of legal description for an annexation parcel, boundary surveys of internal parcels for commercial and residential development, and the staking of roadway alignments.

Boggy Creek Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 900-acre gross land area, \$450,000 boundary, topographic, and wetland survey to support future site development in Callaway. This project involved a Mean High Water Line determination prepared to FDEP specifications. Involved the sectional retracement of three sections, the staking of the Mean High Water Line at previously determined elevation and newly determined elevation.

Intracoastal Waterway Mapping Project, The St. Joe Company, Gulf, Bay and Walton Counties, Florida: This survey extended from Choctawhatchee Bay in Walton County to Lake Wimico in Gulf County. The project area also included the Gulf County canal from Port St. Joe north to the Intracoastal Waterway. This project was performed to map the locations of St. Joe ownership adjacent to the Waterway throughout the length of the canals. Of importance was the contiguity of Joe ownership and the identification of gores, gaps, overlaps, hiatus' of descriptions, and of non-Joe ownership – mostly Federal lands used for spoil sites. A field survey was performed with GPS to geo-reference selected section corners and to refine the mapping product ESRI shapefile conversions. The products were delivered as an ESRI ArcGIS 9.2 product.

Pine Log State Forest Survey, FDOT/FDEP, Bay County, Florida: Multiple boundary surveys of over 120 acres were prepared for wetlands mitigation as part of the SR 79 expansion project. Boundary lines were marked per Division of Forestry specifications. Survey included sectional ties and roadway alignment determination.

Telogia Run, The St. Joe Company, Liberty and Gadsden Counties, Florida: Manager overseeing boundary survey for the 26,700 acre area west of Tallahassee. Task items included geodetic survey, sectional surveys, gps and conventional topographic ties, location of Telogia Creek, and a Right-of-Way survey for the Florida Gas Transmission Company pipeline.

ACCL/Bay Properties, Jim Anders– Developer, Bay County, Florida: 108 acre boundary survey with wetland locations prepared to facilitate future development. Included coordination with Gulf Power and Florida Gas Transmission Company to accurately depict Rights-of-Way within the project site.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Provided surveying services for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Specific survey services included: horizontal and vertical control, alignment determination, dtm topography, location of utilities, and cross-sections.

- CR 179A, Holmes County, Florida
- SR 8 at CR 191, Santa Rosa County, Florida
- SR 267 at SR 369, Wakulla County, Florida
- SR 292 at Waycross, Escambia County, Florida
- SR 173 at Bellview, Escambia County, Florida
- SR 8 at SR 89, Santa Rosa County, Florida
- SR 8 at CR 257, Jefferson County, Florida
- SR 30A at Clara Avenue, Bay County, Florida
- SR 30A at Lyndell Lane, Bay County, Florida

SR 10 (US 90) Yellow River Bridge, FDOT District Three, Okaloosa County, Florida: Survey manager responsible for design survey including a channel survey for bridge replacement, alignment re-establishment, utilities location and VVH.

SR 95 (US 29), FDOT District Three, Escambia County, Florida: Survey manager for the 2.5 mile Multilane Reconstruction project. Survey tasks included a full DTM including off-site drainage and conveyances, sectional survey, utilities designating and VVH, and a control survey.

SR 83 (US 331), Walton County in cooperation with FDOT District Three, Florida: Survey manager responsible for full design survey and DTM, wetlands, pond sites, and a control survey along the 4.8 mile corridor.

SR 10 (US 90), FDOT District Three, Jackson County, Florida: Survey Manager for the one-mile long corridor in the Town of Sneads, RRR survey consisting of alignment determination, cross-sections, 2D and 3D topography, and utilities location.

SR 298 (Lillian Hwy), FDOT District Three, Escambia County, Florida: Survey manager for the 3-mile corridor for RRR survey. Included alignment determination, cross-sections, 2d topography, and utilities location.

SR 8/SR 8A (I-10/I-110) Monumentation, FDOT District Three, Escambia County, Florida: Survey Manager responsible for the post-construction monumentation effort of both Interstate corridors and selected side streets: SR 727 (Fairfield Blvd), SR 291 (Davis Hwy), Airport Blvd., and SR 742 (Creighton Road).

SR 173 (Blue Angel Parkway), Escambia County, Florida: 3.5 mile design survey prepared for Escambia County utilizing existing FDOT survey data where available. Extended project limits north and south and added cross-section data and sidestreet topography.

SR 292 (Perdido Keys Road), FDOT District Three, Escambia County, Florida: Project Manager for intersection improvement project. Plans update performed after Hurricane Katrina damage.

SR 377, FDOT District Three, Wakulla County, Florida: Project Manager for 3.83 mile roadway project. Re-established the centerline of survey and associated reference points, cross-sections, and 2D topo.

SR 10 (US 90/90A), FDOT District Three, Escambia County, Florida: Project Manager for the 6.58 mile roadway project. 3R project involving alignment determination, 120+ cross-sections, and 2D topo.

SR 79 Steel Field Road to Washington County, FDOT District Three, Washington County, Florida: Project Manager for three individual boundary survey projects prepared to both FDEP and FDOT specifications. Surveys included geodetic survey with GPS, sectional surveys, pre-determined area calculations, and mapping.

SR 727 3R, FDOT District Three, Escambia County, Florida: Project Manager for the 1.3 mile 3R project. Survey included alignment determination for 2 miles of roadway, 3R cross-sections, and a small area of DTM topo for removal of an existing railroad track.

SR 727 at Vanderbilt Road, FDOT District Three, Escambia County, Florida: Project Manager for the 0.5 mile project. Survey performed a full DTM for the project to support the intersection improvement at Vanderbilt Road.

US 331 (SR 83) Passing Lanes, Walton County, Florida: Project Manager for the three-mile project working for PBSJ. Project included alignment determination and full DTM survey of two separate areas of roadway designated for widening.

SR 30, FDOT District Three, Franklin County, Florida: Project Manager responsible for survey performed for Phoenix Construction. Involved the alignment of 18 miles of roadway and the establishment of benchmarks throughout the project area. Field crews provided cross-sections and staked numerous areas of sheet pile and articulating block in an effort to preserve the roadway from past and future weather related erosion.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

Geotechnical Engineering

Professional Credentials

Bachelor of Science, Civil Engineering, Tri-State University, 1974

Master of Science, Civil Engineering, Oklahoma State University, 1975

Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978

Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past Vice-President of North Florida Section, Past President of Tallahassee Chapter, Engineer of the Year of Tallahassee Branch

Florida Engineering Society, Past Vice-President of North Florida Region, Past President of Big Bend Chapter, Elected Fellow, Past Engineer of the Year of Big Bend Chapter

American Society of Transportation Engineers

American Public Works Association

National Society of Professional Engineers

Transportation Research Board (National Academy of Sciences), Past National Committee Chairman

Florida A&M University / Florida State University, Chairman of Civil Engineering Advisory Committee

Leon County Board of County Commissioners, Served on Science Advisory Committee

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques
- Familiar with Bridge Scour Investigation and Studies
- Familiar with Non-Destructive Testing for Unknown Foundations Subjected to Scour

Years Experience with EGS: 20

Years Experience with Other Firms: 18

Relevant Experience

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District III – Provides miscellaneous services to the Florida Department of Transportation under a Continuing Geotechnical Services Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

**EGS ENVIRONMENTAL &
GEOTECHNICAL SPECIALISTS, INC.**

Myron L. Hayden, Ph.D., P.E.

SR 79, FDOT District III, Washington County, FL (FDOT FPN: 220773-7-52-01) – This project consisted of the reconstruction and multilane widening of SR 79 from a 2 lane rural roadway to a 4 lane divided highway. The geotechnical studies included roadway investigation, pavement design, evaluation of areas of significant cut and fill, culvert extensions for stormwater management facilities, areas of unsuitable subsoils, and construction considerations.

369 (Crawfordville Highway) Roadway Reconstruction from the Wakulla County Line top L.L. Wallace Road, FDOT District III, Leon County, FL (FDOT FPN 219881-1-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. The Geotechnical investigation also included slope stability analysis of high embankment areas.


SR 30 (US 98) Bridge Replacement over the Aucilla River, FDOT District II, Taylor County, FL (FDOT FPN 210873-2-52-01) – This project consisted of conducting the geotechnical studies for the design of a new bridge over the Aucilla River and reconstruction of approach roadways. The investigation included the analysis of subsoils for roadway reconstruction, culverts, MSE retaining walls, and stormwater management facilities. The Bridge investigation included coring the existing rock to evaluate constructability of the drilled shaft foundations. In addition, an additional study was undertaken to identify and recommend design and construction measures to mitigate the voids encountered in the underlying rock. Because of the environmental sensitivity of the area, coordination with FDOT District III was necessary.

SR 369 (Crawfordville Highway) Roadway Reconstruction from East Ivan Road to the Leon County Line, FDOT District III, Leon County, FL (FDOT FPN 220495-2-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. In addition, the project included the replacement of a bridge culvert and construction of high fill embankments over soft highly organic soils.

SR 20 (US 27) Roadway Improvements from SR 319 (Capital Circle Northeast to the Jefferson County Line, FDOT District III, Leon County, FL (FDOT FPN 409025-1-52-01) – This project consisted of resurfacing and lane additions and drainage improvements to the existing roadway. The investigation included the analysis of subsoils for lane additions, culverts, and storm sewers. The roadway improvements also included the investigation of areas of distressed pavement and developing remedial corrective measures.


E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Michael S. Hartman, P.E.		13. ROLE IN THIS CONTRACT Quality Control	14. YEARS EXPERIENCE	
			a. TOTAL 40	b. WITH CURRENT FIRM 33
15. FIRM NAME AND LOCATION <i>(City and State)</i> H2Engineering, Inc.				
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSME / Mechanical Engineering			17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Mechanical Engineering in the following states: Alabama, Florida, Georgia, Tennessee, South Carolina, North Carolina, Washington, Idaho, Nevada, Michigan, Texas, Louisiana, Arkansas	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mike founded Hines, Hartman, & Associates in 1977 with a strong commitment to providing excellent client service and building relationships. His reputation for providing quality engineering work and his strong commitment to his clients is unparalleled. As an active partner, he continues to guide H2Engineering into the future and build upon the foundation he created. Mike resides in Tallahassee and works out of the Tallahassee office, but when he is not at work, Mike is an avid turkey and upland bird hunter who enjoys working with his dogs and farming his tract of land in North Florida.				
19. RELEVANT PROJECTS				
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Cobb Middle School ADA Renovations Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(if applicable)</i> 2009
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
The Cobb Middle School addition includes a state-of-the-art Choral Room, Individual Practice Rooms, an Ensemble Room, Music Library, and Instrument and Robe Storage, all designed to meet the current Florida State Requirements for Educational Facilities (SREF) guidelines. The design solution included noise control solutions—such as sound absorbing surfaces, sound insulation, irregular spatial design, and low volume HVAC system—to soundproofing and enhance the acoustical properties of the choral suite. Sustainable design solutions were also incorporated into the new facility. Sun shades were installed on the south and east elevations to minimize the heat gain while providing day lighting into the main Choral Room. Project Cost: \$2 million; Project Role: Principal In Charge				
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Nims Middle School Renovations Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2002	CONSTRUCTION <i>(if applicable)</i> 2003
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
This project consisted of renovating two existing classrooms into lab rooms with adjoining support spaces. New plumbing, lighting, flooring and cabinets were designed and installed on a light schedule during the summer break. ADA entry upgrades were included and the support spaces were renovated to include storage and keep within the SREF standards. Services provided were HVAC, Electrical, Plumbing, Fire Protection and Construction Administration. Project Cost: \$400,000. Project Cost: \$21million; Project Role: Principal In Charge				
c.	(1) TITLE AND LOCATION <i>(City and State)</i> J. Michael Conley Elementary School Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(if applicable)</i> 2008
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
The project consisted of new construction of a 103,316 SF elementary school, totaling in eight buildings, containing classrooms, gymnasium, locker rooms, wrestling, gymnastics, weight training and a cafeteria. The central mechanical system was a water source heat pump system. The project also included the addition of total energy (enthalpy) recovery wheels to the dedicated outdoor air systems (DOAS) and the downsizing of all related mechanical and electrical equipment, piping, wiring, etc. resulting from reduced compressor load associated with the addition of the energy recovery systems. Engineering services provided were HVAC, Electrical, Fire Protection and Plumbing Design. Specific services for this project included HVAC systems, building automation controls, lighting controls, and domestic water heating. Project Cost: \$20.25 million; Project Role: Quality Control				
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Leon High School Building 2 Renovations Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2004	CONSTRUCTION <i>(if applicable)</i> 2004
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
Remodeling of a 12,600 SF, single-story classroom building to house the band, chorus and science class. Services provided were HVAC, Electrical, Plumbing and Telecommunications Design. Project Cost: \$900,000; Project Role: Principal In Charge				
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Roberts Elementary Schools Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2001	CONSTRUCTION <i>(if applicable)</i> 2002
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
New construction of a 104,000 SF school with a student capacity of 927 and a central courtyard to secure the school from outside entry during school hours. 60 kW Emergency Generator. Project Cost: \$1,700,000. Project Role: Principal In Charge				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Matthew T. Scaringe, P.E., LEED AP, CxA		13. ROLE IN THIS CONTRACT Principal In Charge	14. YEARS EXPERIENCE	
			a. TOTAL 15	b. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION <i>(City and State)</i> H2Engineering, Inc.				
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSME / Mechanical Engineering LEED Accredited Professional Certified Commissioning Authority		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Mechanical Engineering in the following states: Alabama, Florida, Georgia, Mississippi, Washington		
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Matt joined H2Engineering first as an intern in college; then joined later as an engineer in 1997 after leaving Pond & Company in Springfield, Virginia. His ability to relate to the client and provide responsive solutions was immediately evident. Matt became a principal owner in 2000. Since then, his leadership has been a catalyst for company growth. He is responsible for business development efforts, particularly assuring that client service remains the focus of the company. Matt resides in Tallahassee and works out of the Tallahassee and Jacksonville offices, but when he's not working; Matt enjoys time with his wife and children and is an avid fisherman who will seldom pass up the opportunity to find a grouper at the end of his line.				
19. RELEVANT PROJECTS				
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Fort Braden School Classroom Addition & New Gym Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2004	CONSTRUCTION <i>(if applicable)</i> 2005
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Addition of approximately 30,000 SF consisting of a gymnasium, five classrooms, a business lab, rest rooms, teacher planning area and custodial area. Services provided were HVAC, Plumbing, Electrical, Fire Protection and Telecommunications Design. Project Cost: \$3.5 million; Project Role: Project Manager		<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Pineview Elementary School Food Service Addition Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(if applicable)</i> 2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The project consisted of the new design of a 10,500 SF single story, elementary food services building. Services provided were HVAC, Plumbing, Fire Protection, Electrical and Telecommunications Design. Construction Costs: \$1.65 M; ROLE: Principal In Charge.		<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> J. Michael Conley Elementary School Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(if applicable)</i> 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The project consisted of new construction of a 103,316 SF elementary school, totaling in eight buildings, containing classrooms, gymnasium, locker rooms, wrestling, gymnastics, weight training and a cafeteria. The central mechanical system was a water source heat pump system. The project also included the addition of total energy (enthalpy) recovery wheels to the dedicated outdoor air systems (DOAS) and the downsizing of all related mechanical and electrical equipment, piping, wiring, etc. resulting from reduced compressor load associated with the addition of the energy recovery systems. Engineering services provided were HVAC, Electrical, Fire Protection and Plumbing Design. Specific services for this project included HVAC systems, building automation controls, lighting controls, and domestic water heating. Project Cost: \$20.25 million; Project Role: Quality Control		<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Gilchrist Elementary School Additions/Renovations Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(if applicable)</i> 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This was a phased project incorporating an addition, interior renovations and multiple retrofit reroofs. A portion of the framing and interior renovation was constructed during the summer, but the majority of the work was done while the school was in operation and students were present. The second phase of the work included South and West Wings interior renovations. Services provided were HVAC, Electrical, Plumbing, Fire Protection and Construction Administration. Project Cost: \$1,700,000. Project Role: Project Manager		<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Nims Middle School Renovations Tallahassee, Florida		(2) YEAR COMPLETED	
			PROFESSIONAL SERVICES 2002	CONSTRUCTION <i>(if applicable)</i> 2003
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This project consisted of renovating two existing classrooms into lab rooms with adjoining support spaces. New plumbing, lighting, flooring and cabinets were designed and installed on a tight schedule during the summer break. ADA entry upgrades were included and the support spaces were renovated to include storage and keep within the SREF standards. Services provided were HVAC, Electrical, Plumbing, Fire Protection and Construction Administration. Project Cost: \$400,000. Project Cost: \$21million; Project Role: Principal In Charge		<input checked="" type="checkbox"/> Check if project performed with current firm	



RANDOLPH G. LEWIS, AIA

President
Principal In Charge

EDUCATION

Tulane University, New Orleans, Louisiana
Bachelor of Science in Psychology, 1971
Florida State University, Tallahassee, Florida
Coursework in Business, Finance, and Urban Planning, 1972 - 1973
Florida A & M University, Tallahassee, Florida
Bachelor of Science in Architecture, Magna Cum Laude, 1978
Masters of Architecture, High Honors, 1984
Harvard School of Design

PROFESSIONAL LICENSES

Registered Architect #11582
NCARB Certification #66743
Certified Building Contractor, State of Florida License #CBC005577 (inactive)

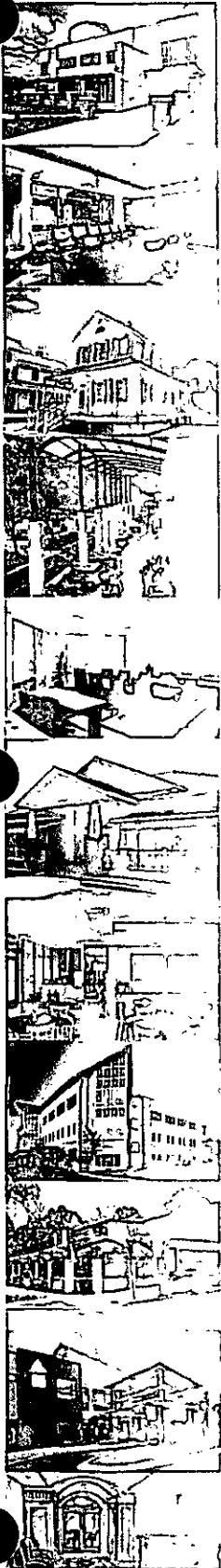
PROFESSIONAL INVOLVEMENT

Roofing Consultant, Member of Roofing Consultants Institute (RCI)
Tallahassee Historic Properties Technical Review Committee, 2005
Tallahassee Trust for Historic Preservation – Current Board of Directors, Chairman, 2006-2008
Tallahassee-Leon County Architectural Review Board, 1994-2005, 2008–current, Chairman,

American Institute of Architects
AIA Florida, Board of Directors (current)
AIA Tallahassee – Treasurer, Secretary, V.P., President, and Board of Directors
Steel Structures Painting Council (SSPC)
USGBC Member

PROJECT EXPERIENCE:

Roof & Waterproofing:
Reroofing Ringling Museum of Art, Sarasota; Waterproofing Ca' d'Zan, Ringling Museum of Art, Sarasota; Reroofing Wakulla Education Center; Reroofing Wakulla Middle School; Reroofing Wakulla High School; Shadeville Elementary School Walkway and Parent Pickup Canopy System; Reroofing Taylor County Courthouse; Reroofing Gadsden County Jail; Reroofing Irwin County, Georgia EMS Facility; Reroofing Florida State Hospital Building 1265; ReRoofing and Waterproofing Prime Osborne Convention Center, Historic Train Terminal, Jacksonville; Renovation and Roof Repairs Historic Capitol; ReRoof Capitol, House and Senate Wings; National Guard Armory Roof



Replacement, Chipley; Reroofing Governor's Mansion; Reroof Historic Avalon Plantation; Exterior Waterproofing Carlton and Gray Buildings; Waterproofing RA Gray Plaza Deck; Waterproofing Trinity United Methodist Church; Waterproofing Failure Investigation James Building, Pensacola; Waterproofing Failure Investigation Hurston Building, Orlando; Reroofing Sunland Training Center; Reroofing Main Post Office, Nashville, Tennessee; Reroofing Ocean City Post Office, Ocean City, Maryland; Reroofing & Waterproofing 15 buildings at Florida A & M University; Senior Citizens Center Waterproofing, Tallahassee; Florida Supreme Court Waterproofing, Tallahassee; Reroofing FSU Nursing, Biology, Tully Gymnasium, Diffenbaugh and Psychology Buildings, Tallahassee; Waterproofing University A and University B, FSU, Dodd Hall, Phases I and II, FSU, Sandals Building, FSU, Salley Hall, FSU, McCollum Hall, FSU, Bryan Hall Roof Study, FSU, Historic Capitol, Tallahassee, Wakulla High School, Crawfordville, Rogers Building, FSU, Gore Building, Ft. Lauderdale, Federal Surplus Warehouse, Starke, Florida.

New Construction:

Premier Health and Fitness Center, Tallahassee; Talquin Electric Cooperation New Member Services Office in Crawfordville; College of Medicine Interim Use, Phases I, II, and III; IMB Interim Use; Florida State University Ringling Museum; Roberts Avenue Warehouses; FSU Law Library; Central Utilities Plant; Diffenbaugh and Psychology Buildings; School of Nursing and Biology Buildings; Tully Gymnasium; Trinity School New Classrooms Building; Wakulla County Elementary, Middle and High Schools Additions, Renovations and Reroofing; Cobb Middle School Science Labs and Classroom Additions; FAMU Child Care Facility.

Renovations:

Pineview Elementary School Renovations and Classroom Additions, Gilchrist Elementary Renovations and Additions, Jefferson County Government Offices Renovations and Rehabilitation, Old K-Mart, Tallahassee; Supreme Court courtroom, Tallahassee; Munroe House rehabilitation, Tallahassee; Richard Lee Building, Tallahassee; Supreme Court second floor, Tallahassee; Dozier Chapel, Marianna; Seminole Work and Learn Facility, Tallahassee; USPS Park Avenue, Tallahassee, Main Post Office, Tallahassee; Talquin Electric Warehouse, Quincy; Talquin Electric Member Services, Tallahassee; SME-Aero Airport, Tallahassee; DEP Laboratory, Tallahassee; Kirkman Building, Tallahassee; Perry Paige Auditorium, Tallahassee; Foote Hilyer Building, Tallahassee; FAMU Lab School, Tallahassee; Florida Electric Cooperatives Association Building, Tallahassee; FAMU Classroom Renovations; FAMU Dormitory Renovations; Kate Sullivan Elementary School Renovations Phases I and II; FAMU Carnegie Library Renovations.

Historic Renovations:

Cape San Blas Lighthouse Keepers' Quarters Restoration (*historic preservation award*); Jones Tenant House (*historic preservation award*), Tallahassee; Rosehead Train Depot Rehabilitation, Perry; Sopchoppy High School Rehabilitation, Sopchoppy; Governor Martin House (*historic preservation award*), Tallahassee; Raney House, Apalachicola; historic Wakulla Jail, Wakulla County; Brokaw-McDougall House, Tallahassee; Munroe House, Tallahassee; Main Post Office, Apalachicola; FAMU Carnegie Library, Tallahassee; St. John's Church, Tallahassee; Centenary United Methodist Church, Quincy; Main Post Office, Fernandina Beach; Ringling Museum Gatehouse Restoration, Sarasota.

IAIN HARNDEN, IIDA, LEED AP

Interior Designer – Senior Project Manager Vice President



Mr. Harnden joined MLD Architects in 2001, after interning with the firm during his senior year at FSU. Iain was a member of the FSU Track and Field Team and is a former 2000 Olympic athlete. He understands the value of performing to your personal best and has the skills required to perform well under pressure. As Vice President of the firm, Iain is responsible for all aspects of project management, including oversight of project coordination, schedules and budgets. In addition, he is LEED certified and is head of our interior design department. He is a graduate of the FSU Department of Interior Design, where his final interior design project was awarded an honorable mention.

EDUCATION

Bachelor of Science in Interior Design, Florida State University, 2001

PROFESSIONAL LICENSES

NCIDQ Certificate No. 019373

Registered Interior Designer No: ID4790, State of Florida

LEED Certification, 2009

PROFESSIONAL INVOLVEMENT

International Interior Design Association

Associate AIA member

USGBC Member

OTHER INTERESTS

Olympic Athlete, Sydney 2000

Former FSU Track and Field Letterman and Atlantic Coast Conference Honor Roll

Former Volunteer Assistant Coach, FSU Track and Field Team

PROJECT EXPERIENCE

- Ringling Museum reroofing, loggia waterproofing, ADA renovations, Sarasota, FL
- FSU Band Practice Field
- FSU Card Store Walkway Canopy addition
- Ca D'Zan waterproofing and structural repairs, Sarasota, FL
- Doak Campbell Stadium repairs
- FSU Publishing Warehouse addition
- FSU Interim Medical School, Phase I, II and III
- Talquin Electric Member Services Building, Crawfordville, FL
- Shield's Marina Ship Store, St. Mark's, FL
- Premier Health and Fitness Center
- Hillside Building, Summit East
- Lafayette Presbyterian Church addition
- URS interior build-out, Hillside Building
- Gilchrist Cafeteria renovations and expansion
- Gilchrist classroom renovations and bus canopy extension

POOLE ENGINEERING & SURVEYING, Inc.

2145 Delta Boulevard, Suite 100
Tallahassee, FL 32303

Barbara Jo Bergstrom, P.S.M.
Vice President/Corporate Surveyor

Professional Credentials

Florida Professional Surveyor and Mapper – Registration Number 5754
Advanced AutoCAD Training
Land Development Civil Survey Program
CAICE/EFB Processing

Professional Organizations

Vice President, Florida Surveying and Mapping Society (2008-2009)
Member, National Association of Women in Construction
Past Chapter Committee Chairperson, TRIG STAR Program by The Florida Surveying and Mapping Society
Past President, Northwest Chapter of The Florida Surveying and Mapping Society (2001-2002)
Past Secretary/Treasurer, Northwest Chapter of the Florida Surveying and Mapping Society (2000-2001)

Special Qualifications

- Performing surveying services in the State of Florida for over 25 years
- Specializes in numerous types of surveys to include boundary, topographic, subdivision, construction staking, utility surveys, as-built surveys, traffic signal and design surveys, right of way acquisitions, and specific purpose surveys
- Project Surveyor for many City of Tallahassee design surveys and FDOT resurfacing and traffic design projects
- Supervision of key technicians and staff for providing quality control and assurance of mapping efforts
- Strong history and knowledge of working in Leon County and surrounding areas.

Years experience with Poole Engineering & Surveying, Inc: 11

Years experience with other firms: 18

Relevant Experience

ORANGE AVENUE/WAHNISH WAY IMPROVEMENTS – Project Surveyor on team effort with Crowder Excavation for resurfacing and construction staking of new drainage improvements, stormwater pond and layout of curb and gutter, sidewalks and as-built surveys for City of Tallahassee. (Feb. 2008 to present)

FAMU-DRS SCHOOL – Project Surveyor for Construct Two Group responsible for layout of six new buildings, perimeter fence and verification of newly constructed site improvements. Project involved verification of AutoCAD maps of existing topographic conditions, site grading and site plans produced by others and as-built surveys. (May 2007 to present)

SR 71 – FDOT District Three/Gulf County – Project Surveyor responsible for recovery of horizontal and vertical control, existing right of way and centerline control to re-establish an alignment of approximately 1.2 miles of roadway in connection with a 3R Resurfacing project. (July 2006 to Sept. 2007)

SR 289 – FDOT District Three/Escambia County, FL – Serving as Project Surveyor for establishing an alignment along SR 289 (Ninth Avenue) and Carpenter Creek, this also included collecting data for providing a DTM, check cross-sections and setting references for design of a turn lane. This was part of a joint effort amongst firms which also required right of way acquisition. (July 2006 – December 2006)

SR 77, FDOT District Three/Washington County, FL – Currently serving as Project Surveyor providing recovery of horizontal and vertical control, alignment, extension of baseline referenced and DTM check cross-sections for approximately 3.4 miles of roadway from CR 276 to North of Blue Lake Road. This project was a joint effort with Southeastern Surveying and Mapping Corp. for road widening and preparation of right of way maps. (June 2006 to present)

SR 298, FDOT District Three/ Escambia County, FL – Served as Survey Manager in the design survey for a safety analysis and re-design of the curve located on SR 298 from west of San Sebastian Circle to East of Lapaz Street, approximately 1/2 mile. The design survey required EFB collection for horizontal and vertical location of the existing road surface, re-establishment of the alignment, recovery of project network control and centerline references, processing and checking field notes. (May 2006 – October 2006)

SR 319/SR 263, FDOT District Three/Blueprint 2000, Leon County, FL – Served as Survey Manager in coordinating survey crews for a project widening of SR 263/319 from Tram Road to Woodville Highway, approximately 2.2 miles. The widening required EFB collection for horizontal and vertical location of the existing road surface, processing and checking field notes. Coordination with City of Tallahassee utilities for locates. Project Network for Horizontal and vertical control along the corridor. (June 2005 – May 2006)

SR 10, FDOT District Three, Jackson County, FL - Served as Project Manager for a Design/Build Bridge Replacement. The project required horizontal and vertical location of the existing road surface, bridge cross-sections and detail, wetland location and preparation of T.I.F.F.T easements. A centerline of survey and vertical control was established along the corridor for reconstruction or roadway and bridge replacement. Responsible for Caice processing and DTM modeling of existing topography for engineering design. (Nov. 2004 – Sept. 2005)

SR 85, FDOT District Three, Okaloosa County, FL – Served as Project Manager for a project milling and resurfacing of SR 85 from SR 10 (US 90) to North of CR 188, approximately 2.4 miles. The resurfacing required horizontal and vertical location of the existing road surface, with site specific detail of existing curbs, sidewalks, lane lines. A centerline of survey and vertical control was established along the corridor for reconstruction of roadway and construction new sidewalk ramps. Processed CAICE files and creation of the DTM surface. (April 1999)

CITY OF TALLAHASSEE – Continuing Services Contract – Serving as Project Surveyor for the Stormwater Management Division. Design Surveys to map existing conditions for many flood related projects. Producing survey maps for the Project Engineer to create construction plans and design studies and storm analysis. Projects include Frenchtown Drainage Study, Call & Cadiz Street Drainage Improvements, Meridian Road Drainage Improvements, North Ride Drainage Inventory, Drainage Inventory of Pensacola Street at FSU Stadium, Royal Oaks Ditch Lining Project, O'Brien Drive Drainage Improvements, Salmon Drive Drainage Inventory and Improvements.

THE PRESERVE AT SAN LUIS, Leon County, FL – Project Surveyor for this 36+/- acre subdivision. Boundary and topographic work to include location of trees and natural features. This site currently platted after construction and acceptance of public roadways for a 190 lot subdivision and construction of townhomes. Responsible for supervision of field crews for layout of new buildings on critical setback restrictions. Producing a subdivision plat for recording, staking of lots, centerline of roadways, rights of way and providing asbuilt surveys.

AIRPORT COMMERCE CENTER PUD, Leon County, Florida – Project Surveyor for 76.5 Acre commercial development for St. Joe Development Company. Boundary survey involved section traverse, location of trees, utilities, topography and location of environmentally sensitive areas to preserve within the PUD. This project is viewed as a stepping stone toward future developments in Tallahassee Airport's region for industrial sites.



**J. David Malcolm,
ASLA**

**Principal/Vice President
Wood+Partners Inc.**

David Malcolm is a Principal and Vice President at Wood+Partners experienced in landscape architecture and land planning for a variety of project types, including parks and recreation, resorts, urban design, livable communities, institutional, commercial and residential design. His primary focus is park and recreation planning and design in coastal regions and throughout the Southeast. He has extensive project experience, including regional sports complexes, university athletic complexes, recreation needs assessments, greenways and trails. His experience also entails master planning and design development, public presentations, design workshops, municipal plan approvals and permitting, stormwater management, feasibility analysis, cost estimating and construction documentation and observation.

Education

Bachelor of Landscape Architecture, Virginia Tech, 1995

Professional Registration

Registered Landscape Architect – FL #6666821, NC #0969

**Appointments and
Professional Affiliations**

- Member, American Society of Landscape Architects (ASLA)
- Member, Florida Recreation & Park Association (FRPA)
- Member, Urban Land Institute
- Member, American Institute of Architects, FL Chapter
- Government Affairs Committee - Florida Chapter of ASLA
- Urban Design Commission (UDC) - City of Tallahassee
- Los Robles Green Architecture Review Board
- Board Member - Keep Tallahassee / Leon County Green
- SCASLA Executive Committee, 2001-2005
- Juror, Clemson University Student Awards, 2002, 2004 & 2005

**Significant Projects
With WPI and
In Prior Association***

- Freeport, FL Community Park
- Florida State University Intramural Sports Complex, Tallahassee, FL
- Fallschase, Tallahassee, FL
- Bull Run, Tallahassee, FL
- HOPE Community, Tallahassee, FL
- Evening Rose, Tallahassee, FL
- Cypress Mill, Perry, FL
- Andiron Woods, Leon County, FL
- Buckwalter Community Park, Bluffton, SC
- Shults Park, Bluffton, SC
- Bluffton Oyster Factory Park, Bluffton, SC
- Duke Power State Park, Iredell County, NC*
- Crowder's Mt. State Park, Gastonia, NC*
- Clayton, NC Community Park*
- Falls Lake Nature Trail, Wake Forest, NC*
- Bethesda Park, Durham, NC
- West Neck Creek District Park, Virginia Beach, VA*
- Warrenton Branch Rails-to-Trails Park, Warrenton, VA*
- Hike and Bike Trail, Lynchburg, VA*
- Linear Rail Walk, Roanoke, VA*
- City of Columbia Recreation Needs Assessment, Columbia, SC
- Hilton Head Island, SC Recreation & Open Space Plan
- Dare County, NC Recreation Needs Assessment
- Chatham County, NC Comprehensive Parks and Recreation Master Plan*
- Clayton, NC Comprehensive Parks and Recreation Master Plan*
- Town of Garner, NC Parks and Recreation Needs Assessment*
- Carteret County Parks and Recreation Master Plan, Town of Beaufort, NC*
- City of Thomasville, NC Parks and Recreation Master Plan*
- Town of Knightdale, NC Environmental Park*
- Lake Thom-A-Lex Recreation Master Plan, Davidson County, NC*
- Union County, SC Community Recreation Complex Master Plan*
- UNCG Baseball Stadium & Student Recreation Complex, Greensboro, NC*
- Sandy Creek Environmental Learning Center, Durham, NC*
- Coastal Discovery Museum Master Plan, Hilton Head Island, SC

Awards

- Marriott's SurfWatch – 2008 Tri-State Merit Award
- Port of Port Royal Land Use Plan – 2007 SCASLA Honor Award
- West Washington Street Redevelopment & Streetscape – 2007 SCASLA Merit Award
- Lake Oconee Village Design Guidelines – 2005 SCASLA Honor Award for Planning
- Savannah Harbor Resort – 2001 SCASLA Merit Award for Planning
- Coastal Discovery Museum, Hilton Head Island, SC – 2001 SCASLA Honor Award

**Sessions Presented at
Conferences**

- 2010 FRPA Northern Region Meeting – "Sustainable Sites Initiative"
- 2007 FRPA – "Planning Parks to Maximize Revenue"
- 2003 NRPA Southeast Region Conference, Birmingham, AL – "Funding Strategies for Today's Recreation Providers"
- 2002 NCRPS Conference, Greensboro, NC – "Essential Elements of Modern Park Design"
- 2001 NCRPS Conference, New Bern, NC – "Park & Facility Master Planning"



Kristen M. Mansfield
ASLA / LEED® AP
Project Manager
Wood+Partners Inc.

Kristen Mansfield is a Project Manager at Wood+Partners specializing in urban redevelopment and streetscape design, recreation planning and park design, intramural sports complexes for colleges and universities, and resort and community planning throughout the Southeast. Her experience includes community and regional parks, urban redevelopment and streetscape design, resort master planning, community master planning and envisioning, pattern books, construction documents and cost estimating, with proficiency in AutoCAD, ArcView GIS, Photoshop, Illustrator, and InDesign software.

Education

Ball State University, Muncie, Indiana – 2004 (Cum Laude)
Bachelor of Landscape Architecture

Professional Registration

- U.S. Green Building Council LEED® Accredited Professional

Appointments and Professional Affiliations

- Member, Florida Recreation & Park Association
- Member, American Society of Landscape Architects (ASLA)
- Member, Urban Land Institute, Young Leader
- Member, United States Green Building Council, Florida Capital Region Chapter
- Sigma Lambda Alpha: Landscape Architecture Honor Society

Significant Projects

- Historic Fourth Ward Park, Atlanta, GA
- Florida State University Intramural Sports Complex, Tallahassee, FL
- Tallahassee Trails, Tallahassee, FL
- Bethesda Park, Durham, NC
- Walltown Park, Durham, NC
- Buckwalter Community Park, Bluffton, SC
- West Washington Street Downtown Redevelopment Master Plan & Streetscape, Greenville, SC
- Evening Rose Community & Commercial Village, Tallahassee, FL
- Bailey's Mill Community Master Plan, Tallahassee, FL
- Rice Hope Community Amenities Planning, Port Wentworth, GA
- Kings Ridge Equestrian Community, Aiken, SC
- Marriott's SurfWatch, Hilton Head Island, SC
- Bluewater Resort and Marina, Hilton Head Island, SC
- Capital City Country Club and Condominium Development, Tallahassee, FL
- SouthShore Phase IV Condominiums, Hilton Head Island, SC
- Alafia Trails Conceptual Master Plan/Community Envisioning, Tampa, FL
- Town of SaltAire Community Master Plan, Mobile, AL
- Fallschase Community, Tallahassee, FL

Conferences and Speaking Engagements

- 2010 FRPA Northern Region Meeting – "Sustainable Sites Initiative"
- 2009 FRPA Director's Summit – "Leadership in Energy & Environmental Design"
- 2007 FRPA Southern Region
- 2006 PSMJ Project Management Bootcamp, Orlando, FL
- 2003 ASLA Annual Meeting and Expo, New Orleans, LA – "Fusion of Culture and Place"

Awards

- Marriott's SurfWatch – 2008 Tri-State Merit Award
- West Washington Street Redevelopment & Streetscape – 2007 SCASLA Merit Award

Similar Project Experience

Through efficient management and leadership, DRMP has garnered the trust of its clients by delivering a quality product while meeting time and budgetary constraints. DRMP is proud of our successful track record in providing consulting services to our clients. We encourage you to call any of our satisfied clients we have listed because we believe you will find a level of confidence in DRMP that is unsurpassed in the industry. The following represents a summary of the projects with which DRMP has been involved with:

SW 8th Avenue/Shady Acres Marion County, Florida

Marion County MSTU/Assessments Department has contracted with DRMP for the Civil-Site development work at SW 8th Avenue/Shady Acres. The work involved Construction Plans and Assessment Maps for paving 0.4 miles of limerock roadway. Project includes asphalt pavement, grading, swales, utility relocations, minimization of impact to heritage trees in the right-of-way and SJRWMD permitting

Project Owner/User Agency Representative

Marion County MSTU/Assessments
Myra Tedder, Director
2710 E. Silver Springs Boulevard
Ocala, FL 34470
P: 352-438-2658

Completion Date: Ongoing

Key Personnel Participation

Chris Towne, P.E Project Manager

NE 105th Lane/Sweetland Acres Marion County, Florida

Marion County MSTU/Assessments Department contracted with DRMP for the Civil-Site development work at SW NE 105th Lane/Sweetland Acres The work involved Construction Plans and Assessment Maps for reclaiming, resurfacing and shoulder grading of 0.7 miles of asphalt roadway. Project was completed in 2009, total design and construction cost \$92,000.

Project Owner/User Agency Representative

Marion County MSTU/Assessments
Myra Tedder, Director
2710 E. Silver Springs Boulevard
Ocala, FL 34470
P: 352-438-2658

Completion Date: 2009

Key Personnel Participation

Chris Towne, P.E Project Manager

Timberwood Subdivision Marion County, Florida

Marion County MSTU/Assessments Department contracted with DRMP for the Civil-Site development work at Timberwood Subdivision. The work involved Construction Plans and Assessment Maps for overlaying 4.7 miles of asphalt roadway. Project completed in 2009, total design and construction cost \$340,000

Project Owner/User Agency Representative

Marion County MSTU/Assessments
Myra Tedder, Director
2710 E. Silver Springs Boulevard
Ocala, FL 34470
P: 352-438-2658

Completion Date: 2009

Key Personnel Participation

Chris Towne, P.E Project Manager

Stringer Subdivision Thomasville, Georgia

DRMP recently completed the infrastructure design for the stringer Subdivision in Thomasville, Georgia. The project included the following design elements:

- Minor roadway design
- Site drainage design
- Design of a water amenity including dam, overflow structure and spillway
- Lot grading scheme
- Design of entrance turn lane
- Erosion and Sediment Control Plan

The project was approximately 50 acres and included 10 acres of infrastructure. The design fee was \$10,920 and completed in 2006. The Contractor cost was \$300,000 and construction was completed in 2007.

Project Owner/User Agency Representative

C. Britt Wetherington, PLS, PSM
204 Gordon Ave
Thomasville, GA 31792
P: 229-227-9330

Completion Date: 2009

Key Personnel Participation

Bryant King, PE - Project Manager

Letchworth Love Mounds Florida Department of Environmental Protection

The Florida Department of Environmental Protection has contracted with DRMP for the Civil-Site development work at Letchworth-Love Mounds State Archeological Park. The work involved included topographic survey of the site, engineering design for the entrance road, parking lot, sidewalks and stormwater management facilities. The scope also included siting the well head, design of a septic tank and drainfield for a new restroom facility, siting of a new picnic pavilion. A Stormwater Permit was secured from the Florida Department of Environmental Protection. A site plan approval was obtained from Jefferson County.

Project Owner/User Agency Representative

Don Page
Florida Department of Environmental Protection
Bureau of Design and Construction
P: 850.488.5372

Completion Date: 2008

Key Personnel Participation

Bryant King, P.E Project Manager

Blackwater River State Park Florida Department of Environmental Protection

This project involved a complete renovation of an existing 29-site campground along with the addition of a potable water system and gravity sanitary sewer system to serve every site. Improvements included redesign of every campsite including ADA accessible sites, design of new potable water and sanitary sewer system including

new hook-ups for each site, design of underground power and pedestals for each site, roadway improvements and stormwater treatment facilities. The project also included renovation of an existing bath house using an architect that participated on the engineering design team. Approximately two miles of potable water line was also designed to remove the park and campground from well source. This waterline included design of a directional drilled segment of line beneath the Blackwater River. A Dredge and Fill Permit and a Stormwater Permit were obtained from the FDEP. The project also included preparation and submittal of a Sovereign Submerged Lands Easement. Development exemptions were secured from local municipalities. DRMP was involved in the project from Preliminary Design through Final Certification of Construction documents.

Project Owner/User Agency Representative

Susannah Ray
Florida Department of Environmental Protection
Bureau of Design and Construction
3540 Thomasville Road
Tallahassee, Florida 32309
P: 850-488-5372

Completion Date: 2009**Key Personnel Participation**

Bryant King, P.E. Project Manager

**Maneuver Battle Lab
Ft. Benning, Georgia**

DRMP is part of a Full Service Design Build Team that is responsible for all site and stormwater design consisting of and design of all new stormwater infrastructure, utilities, site plans, parking areas, loading area to meet the State of Georgia, Base, LEED Standards as well as ACOE standards and requirements. This project is a Design Build project and is currently underway.

Project Owner/User Agency Representative (During Contract)

Debbie Blessé, Project Manager
ROY ANDERSON CORP
P.O. Box 2
Gulfport, MS 39502
P: 228-896-4000

Completion Date: Ongoing**Key Personnel Participation**

Bryant King, P.E. Project Director
Eric Gooch, P.E., Project Manager
Travis Shannon, E.I., Staff Engineer

**Corry Bachelor Enlisted Quarters, Pensacola NAS,
Pensacola, Florida**

DRMP is part of a Full Service Design Build Team that is responsible for all grading and stormwater design consisting of and design of all new stormwater infrastructure and ponds necessary to meet the NWFWM Base, LEED Standards as well as NAVFAC standards and requirements. This project is a Design Build project and is currently underway.

Project Owner/User Agency Representative (During Contract)

Justin Case, LEED AP, Project Manager
Roy Anderson Corp.
Post Office Box 1797
Gulfport, MS 39502
P: 228.244-0100

Completion Date: Ongoing**Key Personnel Participation**

Bryant King, P.E. Project Director
Eric Gooch, P.E., Project Manager
Travis Shannon, E.I., Staff Engineer

ABC Store 217, Tallahassee, Florida:

DRMP was responsible for a site retrofit that included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards for commercial developments. Project involved working with City/County Planning staff to secure a Comprehensive Plan change that allowed driveway connections an adjacent land use.

Project Owner/User Agency Representative

Phyllis Fitzpatrick
9001 S. Orange Ave.
Orlando, Fl. 32824
P: 407-851-0000 x2504

Completion Date: Ongoing**Key Personnel Participation**

Bryant King, P.E. Project Manager
Eric Gooch, P.E., Project Engineer

**PROCESS AND PROCEDURES FOR ENSURING
CURRENT DESIGN STANDARDS**

There are three main processes and procedures related to ensuring that current design standards, codes and regulatory direction are utilized in the project design.

First, our firm is committed to ensuring that junior and senior staff receives adequate training. This includes formal certifications, seminars and webinars, internal training and classes. Anyone attending outside training shares information learned with staff. Current knowledge of codes and regulations is a requirement for Senior Staff that participate in the Projects Quality Control Plan.

Second, knowledge of regulations and codes is not sufficient to achieving final regulatory direction. Relationships with regulatory staff and good communication are vital to getting the intent correct and achieving sound design that meets requirements and is permissible. Our intent is to maintain good relationships with regulatory staff in any agency that has jurisdiction over County work. This may include local Growth Management Departments (City and County), FDOT, FDEP, NWFWM, Department of Health, USACOE, EPA, Wildlife Agencies and/or FEMA. Our role is to establish a good framework of the project to present to these agencies prior to final design and to clearly document the applicable rules, code or direction that is discussed with Agency personnel in pre-application coordination. This documentation becomes part of the project commitments and supplements the applicable published regulations and code. This information is required to be reviewed as part of the Quality Control Plan prior to a formal QC process.

Finally, and most importantly, a solid quality control plan is most effective in ensuring that standards and regulatory direction are adhered. Good quality control is the best line of defense to ensure that commitments and regulatory direction are met.

DRMP is extremely proud of our reputation for high quality design work for our many clients. DRMP's philosophy is error prevention by starting the job with quality people and completing the job with

proper supervision. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. On each assignment, we do the following to insure that DRMP delivers a high quality design service:

- Develop a comprehensive Project Quality Control Plan specifically tailored to each task.
- Identify a QC Review Team and define their responsibilities.
- Incorporate current QC checklists amended to incorporate any special project requirements.
- Complete a full QC Review of EVERY document that leaves our office, including those prepared by subconsultants.
- Complete Phase Submittal Reports to document the design decisions as they evolve.
- Hold formal audits of QC effort with each submittal (DRMP will provide certification of the effort for County staff). QC materials are available for review at this audit.
- Complete thorough QC efforts associated with Utility Coordination, and Technical Special Provisions, Specifications Package Submittals – all in accordance with internal and client guidelines.
- Complete Project Field Review by QC Review Team staff and provide documentation.

QC of Design Phases: Design phase Quality Control involves a thorough, comprehensive review of all work completed at each phase of design completion (30%, 60%, 90%, Final). This includes checking all materials for:

- Conformance with applicable Design Standards
- Conformance with Client's Needs and Objectives
- Cost-Effective Designs
- Documents can be readily approved by Permitting Agencies
- Documents are suitable for obtaining Fair Bids
- Minimizes potential for Construction Problems

The DRMP QC Manager enlists the help of DRMP's most knowledgeable technical staff for QC review. In addition, DRMP has compiled several QC checklists which have proven invaluable in this work. These lists are an aid to the QC reviewer in organizing and completing a thorough QC review.

Upon completion of each design phase, a complete QC review plan set with all accompanying design documentation is forwarded to the QC Manager. Each sheet of the QC plan set bears the DRMP QC Stamp and is signed at the "A. ORIGINATION" line by the employee responsible for preparing the plan. DRMP's proven QC procedure requires that the QC Manager receive a complete set of all design documents, including all component sets and subconsultant prepared design elements, prior to beginning the review. This process insures that a comprehensive QC review is completed quickly and efficiently.

Once the QC Review is completed, the DRMP QC Manager prepares the QC documentation and delivers the plan set to the Project Manager with copies to DRMP Senior Staff. All sheets are completely "Yellowed Out" or "Redlined" with corrections / comments, and signed & dated in the "B. CHECKED" line by the QC Reviewer. The QC team similarly marks up the Comment Response memo.

During the "CONCURRENCE", "INCORPORATION", and "VERIFICATION" activities, the DRMP QC Manager and QC Reviewer are available to the Project Manger to discuss comments. The final QC plan set is retained by the DRMP Project Manager and routed to project archives.

Quality Assurance Review: To assure that a complete QC review is accomplished and that all aspects of the QC Policy have been adhered to in its completion, the Project Manager and the QC Manager conduct a "Quality Assurance Review" at the end of each phase review. This QA review confirms that all elements of the design, including those elements prepared by our subconsultants, have undergone a comprehensive and unified QC Review. We verify all Transmittal packages meet scope and County requirements. Particular attention is given to construction cost and duration estimates and specification packages.

Documentation: An important element of the overall QC process is proper documentation. The DRMP QC process requires we document the materials reviewed for each phase of design and retain all check prints, design memoranda, reports, and calculations. The retention period for this material is at least seven years after the time when a project is placed into service, and this period is typically exceeded by the use of off-site archival facilities.

QC Debriefings: Assuring quality is an ongoing process, requiring periodic updates as design and construction methods evolve. Therefore, DRMP QC Manager periodically conducts an internal "QC Debriefing" between members of the QC review staff and the DRMP design staff. The purpose of the debriefing is to review the effectiveness of the QC/QA process, discuss shortcomings and possible improvements and to determine if changes can be made to the process that will insure the QC Review process runs more effectively in the future. The DRMP QC Manager is responsible for documenting and implementing any process improvements.

SPECIAL RESOURCES AND EQUIPMENT

The DRMP team uses and owns a large range of software and equipment including, but not limited to:

Scheduling Software

Microsoft Project
Primavera
SureTrak

Visualization/Graphics

Adobe Illustrator, PhotoShop, InDesign
Corel Draw Suite
Macromedia Dreamweaver
QuarkXpress

Geographic Information System

ArcCAD
ArcView 3.3
ArcGIS Desktop 9.3.1
ArcInfo License
ArcGIS 3D Analyst
ArcGIS Spatial Analyst
ArcGIS Data Interoperability
Arc Editor 9.2
Arc Pad 7.1

Raster Imaging/Digital Mapping

DESCARTES - Raster imaging
SUREMAPS Raster - Digital maps
IRAS/C - Raster imaging

Design

MicroStation J & V8, FDOT 2004 MR5
GeoPak and CivilPak
Bentley XM Versions of WaterCAD, WaterGems,
SewerCAD, StormCAD
Pond Pack 3.2
AutoCAD/Land Desktop, Civil 3D 2009
CAICE 10.1 SP7
XPSWMM

Environmental

MACSTORM - FDOT storm tab sheet generation
Haestad Methods WaterGEMS (including WaterCAD – Water
distribution system analysis
Advanced Interconnected Pond Routing Program (adICPR)
Ponds Version 3.2 - Groundwater/Surface Water Modeling for
stormwater systems
Storm Water Management Model (SWMM)
Hydrologic Engineering Center No. 1 (HEC-1) - Flood hydrograph
generator
Hydrologic Engineering Center No. 2 (HEC-2) - Water surface
profile computations
Hydrologic Engineering Center River Analysis System (HEC-RAS)
Water surface profile computations
WSPRO - Water surface profile computations written by USGS for
the Federal Highway Administration
WSP-2 - Soil Conservation Services water surface profile
computations
HY-8 - Hydraulic analysis of culverts written by the Federal Highway
Administration
TR-55 - Surfacewater model
TR-20 - Surfacewater model
HSPF - Surfacewater model, continuous simulation
WASP - Surfacewater model, continuous simulation
QUAL2E - Surfacewater model, continuous simulation
HYDRAIN - Surfacewater model, continuous simulation
Modflow - Groundwater/Surfacewater model
MODRET - Groundwater/Surfacewater model
WHPA - Groundwater/Surfacewater model
HELP - Groundwater/Surfacewater model
GRITS/STAT - Groundwater/Surfacewater model
NEH-4 - Riverine system
HEC-18 - Riverine system
HEC-20 - Riverine system
HIRE - Riverine system
ASAD - Collection systems and outfalls
PCDRG- Collection systems and outfall
NETWORX - Collection systems and outfalls
HDS-4 - Collection systems and outfalls
HDS-5 - Collection systems and outfalls
HEC-9, 12, 14, 15, 17, 19 - Collection systems

Survey

CAICE
TDS Survey Link - Electronic data collection/transfer
EFBP – Electronic Field Book Processor Suite
Trimble Pathfinder Pro XR DGPS Submeter GPS System

Trimble Pathfinder Office
Trimble Media Mapper
Trimble 5700 Geodetic Survey Receivers
Trimble Geomatics Office Suite
Microsearch Geolab 2001 – Least squares adjustment software
Leica 9500 Geodetic Survey Receivers
SKI / SKI-Pro – Leica GPS Postprocessing and RTK software
STARNET / STARLEV- Least squares adjustment horizontal/vertical
Prismless/Reflectorless Total Stations
Auto Levels
Digital Levels
Magnetic Locators
Data Collectors

- Windows CE
- TDS Rangers
- Husky FS/2, FS/3
- Allegra

Cable Locators
Jon Boat
4x4 Vehicles

Willingness to Meet Schedule and Budget Requirements

SCHEDULING PROJECTS

Proper scheduling and timely completion of tasks and subtasks are of critical importance. As the prime consultant, we will be solely responsible for the project schedule and the quality of the work product. To this end, it is vital that subconsultants be kept informed so that they also comply with our scheduling and quality commitments. With this in mind, we will schedule work tasks to get required data to our subconsultants as soon as possible, and we will provide all team members with schedule updates at regular intervals.

Bryant A. King, PE the DRMP Team Project Manager, will serve as the primary point of contact with the Department concerning contract administration and task assignments. Mr. King will receive all written or verbal work orders issued by the County's Project Manager.

The Work Authorizations will be reviewed immediately upon receipt. Mr. King will schedule the necessary meetings to scope the project and execute the notice to proceed. Once a notice to proceed is obtained, Mr. King will update a progress chart and add it to a list of task work orders that may already be underway under this contract. Below is an example of a progress chart that DRMP has utilized on our current Miscellaneous and Minor Design Contracts. Under these contracts, DRMP had as many as 14 design task work orders underway at one time. The chart indicates the status of each Work Authorization with specific milestone dates, approvals of specific information, status of comment/responses and information related to data that may be needed to complete the plans. This type of chart is easily followed and provides the County's Project Manager with all relevant data pertaining to the projects. Mr. King will update this chart bi-weekly and provide it to the County Project Manager. In addition to this project status chart, DRMP creates project specific

FTP sites for every project to utilize in disseminating information to the client and any subconsultants.

Cost control and the development of the most economical solution are paramount to any definition of success. DRMP both actively and passively imparts cost control methods into the prosecution of all of our assignments. This results in a project that both meets client budgetary expectation, and provide the most value for the dollars invested.

CONTROLLING PROJECT BUDGETS

As a means of cost control, DRMP will start this project with a written Planning Budget, worked out with the FDEP. Throughout the course of the project, the budget will be refined at schedule points, including schematic design (30% plans), design development (60% plans) and construction documents (90% plans). Whenever a discrepancy is identified, a written plan of action will be developed to resolve or accommodate the difference. In addition, a formal VALUE ENGINEERING REVIEW will be conducted at the design development (60% plans) stage on all design efforts.

DRMP brings economical solutions to all of our projects in the normal course of our business by maintaining the mindset that we have a fiduciary responsibility to our clients as well as an engineering responsibility. Much of our work is conducted for small municipalities that have limited budgets and therefore, must get the most "bang" for each dollar spent. Through continually working within these limited budgets, regular training of staff (both internal and external) in Best Management Practices, and extensive involvement in Professional Societies, DRMP keeps abreast of the best/most economical methods of service to our clients.

Contract C-8K43
Districtwide Traffic Ops Design Consultant Contract
FIN 229936-3-32-01
Consultant: DRMP

Project Name	WO Executed	Survey Received	Utility Survey Received	Pavement Cores Received	Geotechnical Info Received	Typical Section Package Submitted	Pavement Design Package Submitted	Initial Submittal	Comments Responded To	Final Plans Submitted (PDF)	Comments
SR 809 at Dyer Blvd	Yes (7/21/06)	Yes (9/29/06)	Yes (12/06/06)	Yes	Yes	Yes	Yes	5/22/2007	Yes (7/6/07)	Yes (7/13/07)	Final Signed and Sealed Plans Delivered (7/28/07)
SR 889 at Military Trail	Yes (11/22/06)	Yes (3/19/07)	Yes (6/21/07)	Use Cores From Adjacent Project	N/A	Yes	Yes	5/14/2007	Yes (7/10/07)	No	Final Signed and Sealed Plans Delivered (7/28/07)
SR 7 at Rverland Rd	Yes (10/31/06)	Yes (3/5/07)	Yes (1/24/07)	Yes	N/A	Yes	N/A	4/9/2007	Yes (6/8/07)	Yes (6/14/2007)	Final Signed and Sealed Plans Delivered (7/8/07)
SR 5 at Prima Vista Dr	Yes (4/2/07)	N/A	N/A	N/A	N/A	N/A	N/A	4/23/2007	Yes (6/14/07)	Yes (6/11/2007)	Final Signed and Sealed Plans Delivered (6/15/07)
SR 84 at Weston Rd	Yes (4/2/07)	Yes (4/30/07)	Yes (7/10/07)	N/A	N/A	N/A	N/A	7/24/2005	No	No	Awaiting FDOT Review Comments
SR 802 at Carne Drive	Yes (6/25/07)	Yes (6/15/07)	Yes (7/26/07)	Using Pavement Design Info From Ex Plans	NA	Yes	Yes	7/25/2007	No	No	Awaiting FDOT Review Comments
SR 76 at Tahoe Terrace	Yes (4/5/07)	Yes (6/15/07)	Yes (6/15/07)	Yes (6/20/07)	NA	No	No	8/1/2007	No	No	Working Towards Initial Submittal

Recent, Current, and Projected Workload

The following chart represents our current and projected workloads.

Project Name and Number	Description	Date Complete
FDEP Van Fleet State Trail	Design of supporting infrastructure	9/2011
FDEP Marjorie Harris Carr Cross Florida Greenway-Dunnellon Trail	Design of a 2.5 mile Trail and 2 Trailheads, Bid and Construction Services	3/2012
City of Cairo, GA -Davis Park Master Plan and Reconstruction	Park rehabilitation master plan, reconstruction of park amenities, design of flood control system	12/2011
Pensacola NAS – Corry Bachelor Enlisted Quarters	Site design and stormwater permitting for building and parking facilities	6/2012
Ft. Benning GA – Maneuver Battle Lab	Site design and permitting for building and site infrastructure	6/2012
FDOT District 3 DW Safety Contract	Traffic Safety Studies, Roadway Safety Improvements, Drainage Evaluations. 5 Active Task Authorizations	6/2012
FDOT District 3 DW NPDES Contract	Support District 3 for Phase I and Phase II NPDES MS4 Permitting. 4 Active Task Authorizations.	6/2015
FDOT District 3 Yellow River Bridge Replacement	Drainage Design and Bridge Hydraulics Design for replacement of 1550 LF Bridge in Okaloosa Co.	12/2011
SCDOT Bishopville Bypass	Drainage Design and Bridge Hydraulics Design for 3 mile New Road	12/2012
Escambia County Nine Mile Road PDE	Pond Siting Report and Drainage Analysis for 2.2 mile corridor in Escambia County	6/2011
Bradford County CR 229A Bridge Replacement	Drainage Design and Bridge Hydraulics	9/2011
Panama City Beach - Tropic Winds Infrastructure Improvements	Sanitary Sewer Design and Permitting	6/2011
FDOT Central Office – EMC Water Quality Monitoring	Water Quality Sampling Project to Determine EMC on Rural Typical Roadways	12/2012
NWFWMD Professional Engineering Services	Professional Engineering and ERP Permit Review Support Services – No current active tasks	8/2013

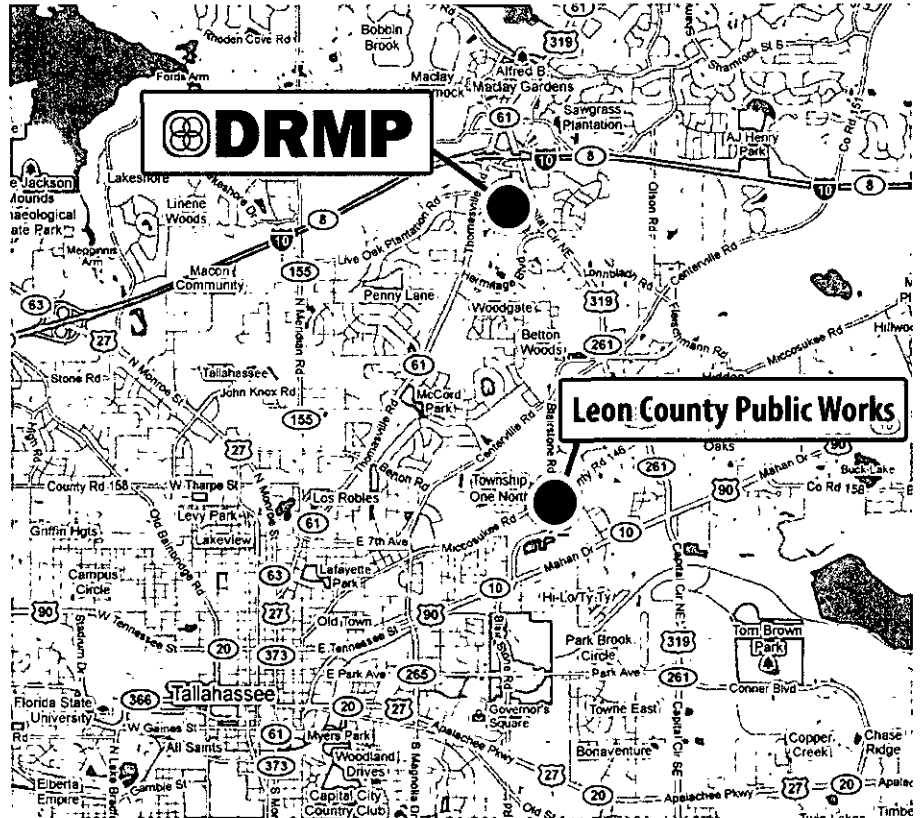
We at DRMP understand that adequate staffing levels are critical in ensuring the success of all projects. Our large staff provides flexibility to our clients which allow us to meet schedules, even with varying workloads among several projects simultaneously. All of our personnel are qualified to work on this project. With the depth of our staff, DRMP will be able to provide the necessary personnel to stay on schedule and if necessary, will utilize personnel from other offices to assist with assignments in the event of unforeseen circumstances and accelerated schedules.

For the Tallahassee office, the backlog that we are depicting reflects contracts or task orders that are under contract or approved contracts pending execution. As noted above, our backlog and project load allows DRMP to meet any new task obligations presented by the County. We are first committed to providing local service and will make staff assignments that fit geographic proximity as well as expertise.

Project Team Location

DRMP is nearby and easily accessible to Leon County! Our corporate headquarters is only 4.4 miles (12 minutes) from Leon County and our staff is available and committed to providing quality services to the County. We have served local municipalities from this office in the past and believe our location enables us to provide these services to the County in the most efficient and cost-effective manner possible. The County can rely on the complete support and resources of the firm, and our 33 years of consulting experience. We are an established firm whose staff is never more than a phone call or short trip away whenever needed, and our resources and offices are here for the long haul.

Note: Our organizational chart includes staff from other offices as we plan to utilize staff from other area offices to provide technical expertise and accelerated production capacity. We also propose to use local subconsultants to assist with successful project completion.



Approach to the Project

DRMP understands the goal of the Leon County is to provide continuing Civil Engineering support for various projects. DRMP has developed an effective team that can address all aspects of the design process required of the consultant based on the County's specific assignments. DRMP firmly believes in the philosophy that the consultant acting as an extension of the County staff will be the most effective and economical way to successfully complete these types of projects. With our extensive experience in providing continuing support for many clients, DRMP understands the importance of teamwork and the development of trusting working relationships with County staff.



DRMP recognizes the County has infrastructure needs within its jurisdiction, and wishes to enlist continuing consultants to facilitate solving these problems. Many skills and responsibilities are required of the

Consultant including problem definition and quantification, preliminary analysis, technical design, public information strategies, environmental permitting, construction plans preparation, surveying, wetlands evaluation and delineation and construction administration. DRMP has the skills and experience to perform the service requirements for Subdivision and Site Development Engineering outlined in the RFP. Our design team has worked on a vast array of projects from a driveway connection to a large commercial development or a residential subdivision all with associated stormwater, utility, parking, roadway, structural and permitting requirements with state and local governmental agencies. At DRMP we have the ability to work on the very small project, such as a driveway connection to the very large roadway or site development project or anything in between.

DRMP is familiar with the counties goals and direction when taking on the 2/3 projects in which the County works with private subdivisions that have privately maintained roadways to bring them up to County standards in order for the County to take over maintenance and operations of these roadways. DRMP staff has a vast knowledge of site development design and permitting from subdivisions to parking lots to small scale commercial and large scale developments which include residential and commercial uses. The DRMP team has considerable experience in design, permitting and construction administration/review of roadway projects and site development projects, including several subdivisions and commercial developments, turn lane additions or new driveway openings along a canopy road and the use of ditch blocks along roadway swales providing stormwater management for a newly paved roadway. These projects involved all the different aspects of permitting and approvals within the local, state and federal governmental agencies. As a result of our vast experience in providing design services and securing research funding, DRMP believes it is uniquely qualified to assist the County in these endeavors. We have prepared the following summary of our general approach to design projects which support this assertion.

Project Development Phase: A clear understanding of the County's goals and objectives is essential at the onset of the project. Prior to contract negotiations and scope creation, a meeting with both County Engineering and Maintenance staff can be critical to understanding the specific issue. This meeting will allow all parties to gain a through understanding of the problem and the steps that need to be taken to develop a solution. Once the unique facts of the project are understood, a detailed scope of services, budget and schedule will be provided to the County. Many site development projects are situated in areas of sensitive drainage patterns, thus these sites require pre-design investigative work that assesses the current conditions including conveyance conditions and drainage basin patterns as well as meeting with respective governmental agencies to ensure all required measures may be met with the proposed design. Since the 2/3 Projects are funded by the property owners within the subdivision with assistance from County staff that has the engineering and construction expertise it is necessary to keep the owners of these properties in the loop on decisions that may be necessary on things like stormwater control, necessary right of way, tree removal and mitigation as well as potential landscaping as well as the potential costs associated with the proposed project.

Data Collection: DRMP will continue to discuss the project and obtain available data regarding the project area. Comprehensive review and processing of this data is a critical foundation to development of a quality design. The information must be sorted and only the issues pertinent to the specific design issue must be summarized.

Finally, topographic mapping, supplemented by field survey as necessary, DRMP will delineate the limits of the project. Existing construction plans, permits and other mapping sources will round



out the data needed and will assist in the completion of the design. An initial site visit is also important to ascertain first hand the site conditions. During this data collection phase DRMP will review the site for the possibility of wetlands and if necessary will have any wetlands within the site mapped and surveyed.

Preliminary Permitting: DRMP staff will contact all permitting agencies and determine permit requirements. DRMP anticipates regulatory involvement with developmental projects from numerous agencies, including the Leon County Growth Management, City of Tallahassee Growth Management, Florida Department of Environmental Protection (FDEP), Florida Department of Transportation (FDOT), US Army Corps of Engineers (ACOE), Florida Fish and Wildlife Conservation Commission (FFWCCD), US Fish and Wildlife Services (USFWS), Northwest Florida Water Management District (NWFWMDD). Our vast experience with innovative permitting techniques, including early agency coordination and conceptual permitting will enable Leon County to complete projects in a timely and cost effective manner. Our firm has an impressive background of experience with permitting municipal infrastructure projects. DRMP is familiar with the permit



requirements of all the permitting agencies, and we have a tremendous amount of working knowledge in dealing with those agencies. The DRMP team is familiar with and well versed on the requirements of the Comprehensive

Plan, City of Tallahassee Zoning Code, Leon County Code of Laws, the City's Environmental Management Ordinance, the County's Environmental Management Act, and all other regulatory agencies that have jurisdiction within Leon County. Pre-application meetings with permitting agencies (such as the Leon County Growth Management Department, FDEP, FDOT and NFWFMD) will be held and the key issues summarized and addressed. During the Leon County permitting process all protected trees that are necessary for removal will be mitigated for as based on the credit and debit ratios provided for, any required plantings will be shown on the landscape plan.

Interagency Coordination: DRMP has experience with and can assist the County in working with other agencies to complete the project design. Often, a joint effort between the County and another agency such as the Florida Department of Environmental Protection or the Florida Department of Transportation can provide additional funding for a project that benefits both groups.

Presentation of Results: DRMP will provide the County with a schematic representation of the design to include the supporting analysis documentation. Furthermore, we will supply the County with preliminary cost estimates for each of the feasible alternatives that will consider (at a minimum), design, land acquisition/relocation (right-of-way and easements), permitting, construction and construction management. A public information meeting can be held to present the County's preferred alternatives and collect feedback from the affected residents. Throughout the process, it is extremely necessary to maintain close coordination and receive input from County staff on all proposed designs and permitting requirements.

Perform Detailed Design and Prepare Construction Plans: DRMP will, using information and preliminary designs developed in the Project Development Phase, prepare construction plans and specifications such that the project can be let to contract or constructed by County forces. The first step in this process is to generate 30% and 60% design plans which outline necessary right-of-way acquisition, hydraulic grades of the proposed drainage system, plan and profile sheets depicting existing and proposed grades, roadway plans, pond locations and sizes, any required drainage structures and pipe locations, existing utility locations, preliminary landscape and maintenance of traffic plans. All designs require coordination with government staff which have an integral input on the overall design and requires the consultant to work hand in hand with the County staff. Existing wetlands that may be impacted during construction will be delineated and mapped during the project development Phase, DRMP will work diligently during the design phase to minimize or eliminate any wetland impacts. Any trees required to be removed for construction purposes will be

mitigated for per the Leon County mitigation tables. A landscape plan will be created to include with the design plans for all required permitting tree mitigation and any other aesthetic landscaping required by the project. Additionally, the Engineer's Cost Estimate will be revised to show any changes up to this point and appraisals obtained for any required properties. If necessary, another public information meeting will be held to present the selected alternative and receive additional feedback from the residents or affected property owners.

After the 60% plans have been reviewed by the County and all necessary comments addressed, all permit packages will be produced and applications submitted to the applicable permit agencies, whether it be NFWFMD, Leon County Growth and Environmental Management or FDOT or a combination thereof. DRMP understands how important a good relationship with the regulatory community is and strives to provide submittals of the highest caliber to prevent unnecessary requests for additional information which can slow the project. Permit exemptions will be pursued if applicable to the specific project. We will always look for small modifications in the design plans that can reduce or eliminate the permit effort for a project and save the County time, fees and post-design and construction efforts that would be required to satisfy permit conditions.

Next, 90% construction plans will be produced which respond to all comments from County staff and provide complete design of plan and profile sheets, grading plans, pipe and drainage structure location including all details, utility location, landscape and wetland planting, erosion control, and maintenance of traffic as required for the individual projects. Concurrent with the completion of these plans, all required permit applications should be submitted. Technical specifications and bidding documents will also be prepared.

Following a final review by County staff, final plans will be produced. Along with these plans, a final quantity takeoff will be performed and final construction costs will be estimated. Final right-of-way maps and all legal exhibits necessary for acquisition will be prepared.



Quality Assurance/Quality Control: DRMP is extremely proud of our reputation for high quality roadway design work for our many clients. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. We have prepared a detailed description of the DRMP Quality Control and Quality Assurance process included in Tab B of this document.

Construction Administration: DRMP has complete construction management capabilities and can provide all levels of construction management support from assistance and advice to County construction staff, to a complete turn key management system. DRMP will support the County staff during the bid and construction

phases of the project by assisting with the pre-bid conference and the review and evaluation of bids. DRMP will attend and answer all questions at the pre-construction conference between the County and the selected contractor. If deemed necessary by the County, DRMP will provide complete construction services. DRMP can provide a full-time resident construction manager if so desired by the County. DRMP will assess the progress and quality of the contractor's work and will coordinate performance and materials testing. DRMP will seek to ensure the County receives only work of the highest quality and will alert the County regarding quality problems encountered. DRMP will keep detailed construction documents necessary to provide project certification and as-built drawings. DRMP will review all shop drawings for accuracy and answer all requests for information from the contractor.

Public Involvement and Graphics: DRMP firmly believes that communications are essential to the success of any project. The foundation of an effective communications program is a broad-based Public Involvement Plan (PIP), which informs local citizens, property owners, agencies, and public officials regarding potential project alternatives, schedule, and other issues. The PIP will address the following elements:

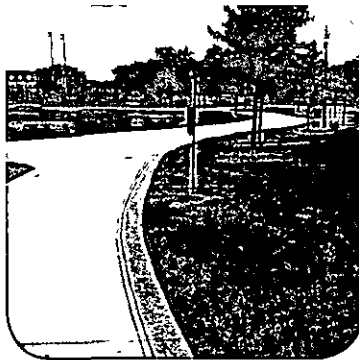
- Coordination and Small Group Meetings
- Mailing List and Public Involvement Database
- WEB Page Creation and Maintenance
- Advertisements, News Releases, and Public Information Meetings
- Assistance and support for Staff Presentations
- County Commission Work Session and Public Hearing

DRMP also has an in-house full-service, specialized graphics department that develops web sites, boards, overheads, computer presentations and booklets that are the best in the business. Having graphic designer's on-staff provides DRMP with the resources to create high-quality public information brochures and presentations in a timely, cost-effective manner.



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General Information

CONTRACTOR INFORMATION

Firm name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Office Location: 1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308

Contact Person: Bryant A. King, PE,
P: 850.562.9600
E: bking@drmp.com

EXECUTIVE SUMMARY

Firm Overview

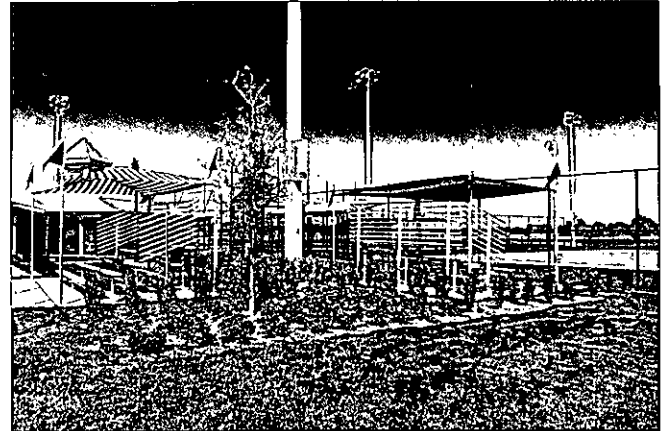
Dyer, Riddle, Mills & Precourt, Inc. (DRMP) has been in business since 1977 as a multi-discipline firm serving clients in the public, private and industrial sectors in the development of infrastructure for the community-at-large. We currently have 14 office locations spread strategically across the southeastern United States.

Our staff is capable of managing a project from the early planning stages through design and into construction administration. Founded on a standard of excellence, our growth and success is based on our commitment to tailor our multi-discipline services to effectively develop quality design solutions that are cost effective and delivered within the agreed upon timeframe. Today, DRMP is ranked among *Engineering News-Record's* "Top 500 Design Firms" in the United States.

Firm Capabilities

Parks and Recreational Facility Engineering

DRMP's experience in managing design, planning and permitting of parks and recreational projects ranges from community parks to theme parks. Our team of professionals understands the levels of coordination required between numerous agencies to not only design and develop such facilities. As a team working together, we know how to properly plan for the environment, pedestrians and use of public parks. Our team is comprised of recreational planners, landscape architects, park designers, engineers, surveyors, drainage specialists, and lighting specialists that understand athletic programming and scheduling. DRMP has designed and permitted projects for waterfront development, community parks, campgrounds, and multi-use paths/trails.



The DRMP team has the ability to maximize the use of park infrastructure in a way that blends and balances green space and play areas. We understand the role of proper grading and drainage when designing and constructing sports fields and playgrounds, and we have a thorough knowledge of local permitting requirements and the availability of local construction materials. For parks and recreation projects, our design professionals can offer a wide variety of services. The following summarizes the basic services that may be required:

- Master Planning
- Site Assessment and Development
- Environmental/Ecological Evaluation
- Drainage Design
- Utilities Design
- Landscaping
- Structural Elements
- Permitting
- Construction Administration/Inspection

AUTHORIZED REPRESENTATIVES

Authorized Representatives declare that DRMP's proposal for Stormwater Engineering is in all respects fair and in good faith without collusion or fraud and that the signer of the RFP has the authority to bind principal proponent.

Bryant A. King, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bking@drmp.com

Ben C. Faust, PE
Project Manager
1435 East Piedmont Drive, Suite 210
Tallahassee, Florida 32308
P: 850.562.9600
F: 850.575.5544
E: bfaust@drmp.com

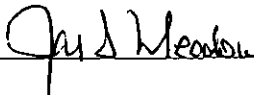
AFFIDAVIT CERTIFICATION IMMIGRATION LAWS

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)

Signature: Jon S. Meadowst, PE  Title: Principal-in-Charge

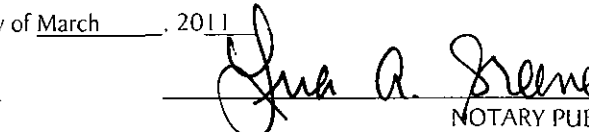
STATE OF Florida
COUNTY OF Leon

Sworn to and subscribed before me this 17th day of March, 2011

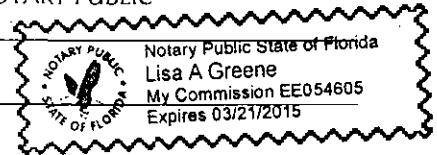
Personally known ✓

OR Produced identification _____

(Type of identification)


NOTARY PUBLIC
Notary Public - State of Florida

My commission expires: _____



Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed: Jon S. MeadowsTitle: Principal-in-ChargeFirm: DRMP

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this completed Insurance Certification Form, signed by the company Risk Manager or authorized manager with risk authority.

- A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

[X] YES [] NO

Commercial General Liability:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

Business Auto:

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

- 1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

[X] YES [] NO

Indicate Best Rating:
Indicate Best Financial Classification:

A+
XV

If answer is NO, provide name and address of insurer:

Three horizontal lines for providing insurer name and address.

- 2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

[X] YES [] NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.


Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

Coverage is in place Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Daniel M. DeLaRosa
Typed or Printed

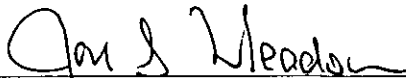
Signature 

Date 3/8/11

Title Vice President
(Company Risk Manager or Manager with Risk Authority)

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.



Signature

Principal-in-Charge

Title

DRMP

Contractor/Firm

1435 East Piedmont Drive, Suite 210, Tallahassee, Florida 32308

Address

LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	
Current Local Address: 1435 East Piedmont Drive, Suite 210 Tallahassee, Florida 32308	Phone: 850.562.9600 Fax: 850.575.5544
If the above address has been for less than six months, please provide the prior address.	
Length of time at this address:	
Home Office Address: 941 Lake Baldwin Lane Orlando, Florida 32814	Phone: 407.896.0594 Fax: 407.896.4836

Jon S Meadows
Signature of Authorized Representative

March 17, 2011
Date

STATE OF Florida
COUNTY OF Leon

The foregoing instrument was acknowledged before me this 17th day of March, 2011.

By Jon S. Meadows, PE, Principal-in-Charge, of DRMP,
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Florida corporation, on behalf of the corporation. He/she is personally known to me
(State or place of incorporation)

or has produced _____ as identification.
(type of identification)

Lisa A Greene
Signature of Notary
Notary Public State of Florida
My Commission EE054605
Expires 03/21/2015

Return Completed form with supporting documents to:

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

Print, Type or Stamp Name of Notary

Title or Rank

Serial Number, If Any

Ability of Professional Personnel

It is our philosophy and approach to provide the best available talent in our organization to each project and, if necessary, to utilize outside support due to expertise, cost, scheduling or location issues. A major strength of DRMP is our depth of experience and expertise, both in our project managers and our technical staff. This background, combined with our underlying company philosophy of meeting client needs in the most timely and cost-effective manner, has contributed significantly to our long-term success.

We have assembled the members of this project team based on professional experience, completion of similar projects in the local area and ability to perform the tasks required for this continuing contract. Additionally, these project team members have experience in working under a contract that requires completing task assignments on an on-call basis.

AVAILABLE STAFF RESOURCES

DRMP's professional staff has extensive experience in the services required under this Parks and Recreational Facility Engineering Continuing Services Contract. DRMP's General Civil Division includes 25 individuals devoted solely to Parks and Recreational Facility Contracts. These individuals have a wide range of experience in both the design and study areas with the necessary skill set to meet the requirements of this contract. The following table is a listing of these individuals with their experience and availability.

Project Team	Areas of Expertise											
	Years of Experience	Master Planning	Site Plan Design	Roadway/Trails	Environmental Analysis/Permitting	Drainage Design	Landscape Architecture	Utility Design	Structures	Survey/Right-of-Way	Geotechnical	Percent Availability
Bryant A. King, PE	17	X	X	X	X	X						60%
Eric W. Gooch, PE	12	X	X	X	X	X		X	X			65%
J. David Malcolm, ASLA (WPI)	16	X					X					50%
Ben C. Faust, PE	19	X		X				X				15%
Allen W. Schruppf, PE	34		X	X	X	X		X				20%
Eric M. Brown	12	X		X	X	X		X				65%
S. Scott Early, PE	17			X		X						55%
Travis N. Shannon, EI	5			X	X	X		X				60%
George P. McLatchey, CEP, PWS	17				X							45%
Douglas A. Skurski, PWS	10				X							45%
Peeter Mannik, PE	53								X			45%
Jocelyn M. Haisch-Linn, PE	11								X			45%
Kristen M. Mansfield, ASLA, LEED AP (WPI)	7	X					X					50%
Jeffery R. Lance, PLS	19									X		35%
Barbara Bergstrom, PSM (Poole)	29									X		35%
Myron L. Hayden, PhD, PE	38										X	35%

PROJECT MANAGEMENT

DRMP's project management method is based on providing Leon County with superior project administration and coordination. This will ensure that the County receives the highest quality work products and services while minimizing the County's staff's required input and contract management. Our project team is structured to assign a highly-qualified project manager to: (1) act as the primary point of contact; (2) monitor the work product; and (3) assist the County in developing and scoping individual work tasks. The primary task of the project manager is to coordinate all resources of the project team to ensure we are able to:

- Provide comprehensive services for any task assignment;
- Create a strong working relationship with the County staff, built on mutual trust and professionalism in the development and implementation of project and program objectives;
- Work effectively as an extension of the County's staff to provide the required services, in a highly-efficient, cost conscious and professional manner;
- Handle issues and concerns as quickly and effectively as possible as they arise;
- Ensure that solutions are developed that are not only technically correct, but are also consistent with the needs of the

community, and advance the effective implementation of adopted goals, objectives and policies.

Project Manager Bryant King, PE will ensure that the County receives the services they need and deserve. This position is to make certain that resources are available when, and to the degree necessary, and to monitor the County's measure of satisfaction. He will resolve any concerns that may arise, and act as an additional objective manager in the Quality Assurance process. As Project Manager, Mr. King's main responsibility will be to serve as the primary point of contact for the County; develop a comprehensive project scope; monitor the project schedule; and ensure quality control is conducted on work products. Mr. King will also negotiate contracts, coordinate with subconsultants and review agencies and oversee the technical, financial and schedule aspects of the project. He is responsible for the successful completion of each task. He has worked on many types of Park related projects throughout his career, including trails, athletic fields, boardwalks, playgrounds, docks, and campgrounds.

Ben C. Faust, PE serves as DRMP's Vice President-in-Charge. Mr. Faust will ensure Mr. Faust has all of the staffing and resources necessary to meet the schedule demands and experience requirement of this contract.

Chris D. Towne, PE will assist with General Civil, Site Development/Design. He has worked on many types of Civil Engineering projects throughout his career, including roadway, bridge, airport, structural, drainage, water, sanitary sewer and site design. He brings a strong background in general civil engineering for municipal clients and recently provided services for an ARRA funded project for FDOT District two to rehabilitate sidewalks.

Eric Gooch, PE will assist with General Civil, Site Development/Design. He has worked on many types of Park related projects throughout his career, including trails, athletic fields, boardwalks, playgrounds, docks, boat ramps and campgrounds. He has significant local permitting experience with City and County Growth Management Staff.

J. David Malcolm, ASLA, LEED is a Principal and Vice President at Wood+Partners experienced in landscape architecture and land planning for a variety of project types, including parks and recreation, resorts, urban design, livable communities, institutional, commercial and residential design. His primary focus is park and recreation planning and design in coastal regions and throughout the Southeast. He has extensive project experience, including regional sports complexes, university athletic complexes, recreation needs assessments, greenways and trails. His experience also entails master planning and design development, public presentations, design workshops, municipal plan approvals and permitting, stormwater management, feasibility analysis, cost estimating and construction documentation and observation.

Kristen Mansfield, ASLA, LEED is a Project Manager at Wood+Partners specializing in urban redevelopment and streetscape design, recreation planning and park design, intramural sports complexes for colleges and universities, and resort and community planning throughout the Southeast. Her experience includes community and regional parks, urban redevelopment and streetscape design, resort master planning, community master planning and envisioning, pattern books, construction documents and cost estimating, with proficiency in AutoCAD, ArcView GIS, Photoshop, Illustrator, and InDesign software.

SUBCONSULTANTS

The DRMP Subconsultant Team has been assembled for this contract not only for their specific expertise but also to continue and build on DRMP's relationship with these experts gained on past similar experience. DRMP has established relationships with these subconsultant firms and has worked with each firm on previous assignments throughout the state.



WOOD+PARTNERS, INC. (WPI) was founded in 1988 and is recognized as a leader in providing park design, recreation planning and landscape architecture services throughout the Southeast. With offices in Hilton Head Island, SC, Atlanta, GA and Tallahassee, FL, the firm currently practices in states ranging from Virginia to Louisiana and Florida. WPI offers park design, recreation planning, urban design, community and resort planning, and Landscape Architectural services to clients throughout the Southeast and Caribbean. Their staff's experience over the past five years ranges from master plans for many active and passive use parks with facilities for the entire family, regional community parks with athletic complexes, historic and interpretive parks, open space parks, riverwalks and waterfront development to and neighborhood parks as well as city and county-wide comprehensive recreation needs assessments. This extensive and diversified experience has helped the firm's staff develop a tremendous base from which to draw when providing detailed park design services (please refer to section two of this submittal illustrating our Team's recent and distinguished experience in more detail). Their firm has provided park and recreation planning services for numerous communities that include Tallahassee, FL; Ormond Beach, FL; Quincy, FL; Panama City, FL; Naples, FL.



Environmental and Geotechnical Specialists, Inc. (EGS) will be providing specialty services to the design team. EGS is highly qualified and has an outstanding work experience within the panhandle of Northwest Florida. The staff at EGS has been providing professional services since 1992. EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services.



ENGINEERING & SURVEYING, Inc. Poole Engineering & Surveying, Inc. is a Florida firm located in Tallahassee, which has operated continuously in the engineering and surveying field for over 30 years. Surveying has been a part of Poole since its inception in 1975. **Barbara Bergstrom, PSM** serving as Corporate Surveyor along with Kevin O'Neal as Project Surveyor is responsible for managing our Survey/CAD Technicians and field crew personnel for all projects. Both surveyors have over 20 years experience in all facets of surveying and have proven skills in their profession for providing the quality work our clients expect. With our experienced survey personnel, Poole has the ability to expand quickly into several crews, as the demand requires. Projects include Drainage Inventory for Frenchtown Master Drainage Study, Call/Cadiz Street Stormwater Improvements, Meginnis Creek Drainage Ditch and proposed Re-alignment for City of Tallahassee Stormwater Division, and the survey work for WRS in the remediation effort for Cascade Park as well as design surveys for many commercial developments and residential subdivisions in the local panhandle areas.

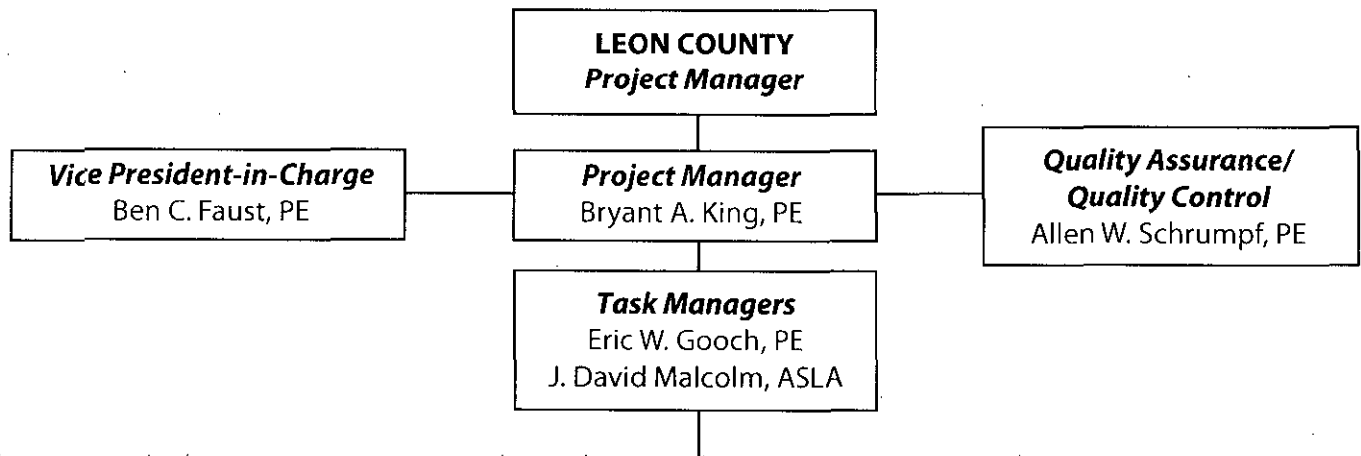
Leon County

Request for Proposals for Civil Engineering Services, Continuing Supply

Proposal No. BC-03-17-11-25



PARKS AND RECREATIONAL FACILITY ENGINEERING



Master Planning

Eric W. Gooch, PE
Eric M. Brown
J. David Malcolm, ASLA

Roadway/Trails

Eric W. Gooch, PE
S. Scott Early, PE
Ben C. Faust, PE

Environmental Analysis & Permitting

George P. McLatchey, CEP, PWS
Douglas A. Skurski, PWS
Cheryl L. Poole, PE

Site Plan Design

Eric W. Gooch, PE
Eric M. Brown
Bryant A. King, PE

Survey

Jeffrey R. Lance, PSM
Barbara J. Bergstrom, PSM

Geotechnical

Myron L. Hayden, PhD, PE

Landscape Architecture

J. David Malcolm, ASLA
Kristen M. Mansfield, ASLA / LEED® AP

Utility Design

Eric W. Gooch, PE
Eric M. Brown

Drainage Design

Bryant A. King, PE
Travis N. Shannon, EI

Structures

Peeter Mannik, PE
Jocelyn M. Haisch-Linn, PE

SUBCONSULTANTS

Environmental & Geotechnical Specialists, Inc.
Poole Engineering & Surveying, Inc.
Wood & Partners, Inc.

Bryant A. King, PE

Project Manager



Years of Experience

17 Total
14 With Firm

Professional Registration

Professional Engineer
No. 51994, Florida, 1997
Professional Engineer
No. 030683, Georgia, 2005

Education

Master's in Engineering,
University of Florida, 1996
Bachelor's of Science in Civil
Engineering, University of
Florida, 1991

Certifications

Level II Certified Design
Professional, No. 44943,
Georgia Soil and Water
Conservation Commission,
2007

FDOT Maintenance of Traffic

Professional Affiliation

American Society of Civil
Engineers
Florida Engineering Society
Florida Stormwater
Association

Software Aptitude

adICPR
XP-SWMM
HEC-RAS
ASAD

PROFESSIONAL PROFILE

Bryant A. King, PE is the Office Leader of DRMP's Tallahassee office and is responsible for overseeing all engineering work, both public and private. He has served in this position since August 2004. He is administratively responsible for all work produced in Tallahassee – including Transportation, Civil and Site Design and Water Resource Design. Prior to his relocation to Tallahassee, Mr. King was a Senior Project Manager in the Water Resources department in Orlando, where he was responsible for water resource planning, drainage design, permitting, water quality studies and other stormwater related design projects for both public and private clients. He has been responsible for numerous stormwater and drainage related projects including stormwater retrofits, stormwater master plans, roadway drainage design and bridge hydraulic reports.

Mr. King has been Project Manager and Project Engineer for numerous state and municipal infrastructure and stormwater related projects in Florida. In the past seven years, he has been involved in many transportation and site development projects. His background is in hydraulics and water resources and this has allowed him to interface in many aspects of Civil Engineering design.

RELEVANT PROJECT EXPERIENCE

Davis Park Improvements, City of Cairo, Grady County, Georgia: Project Manager for this Park Design/Stormwater Retrofit project. This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre, Gazebos and stormwater improvements to help alleviate flooding downstream of Davis Park while providing for a user friendly environment. Conceptual phase is complete and has been accepted by City Council. Final Design documents are underway.

Dunnellon Recreational Trail, FDEP Office of Greenways and Trails, Citrus and Marion Counties, Florida: Project Manager for construction of 2.2 miles of recreational trail on the Majorie Harris Carr Central Florida Greenway. The project also includes design of two trailheads and a trail spur. Mr. King was responsible for all facets of work from construction plans; federal, state and local permitting; bid services; and construction services. He also coordinated with bridge designers for the pedestrian bridge over Withlacootchee River and was responsible for the design of approaches.

Majorie Harris Carr Central Florida Greenway Baseline to Santos, FDEP Office of Greenways and Trails, Marion County, Florida: Project Manager responsible for the recreational trail alignment study in Marion County. Mr. King was responsible for evaluating alternative alignments; determining potential environmental, cultural and engineering impacts; conducting a public meeting; and the preparation of a Preliminary Engineering Report used to obtain a Categorical Exclusion and maintaining Federal Funding eligibility.

Manatee Springs State Park, Florida Department of Environmental Protection, Levy County, Florida: This FDEP project involved the renovation of an existing campground at this park along with the addition of a potable water system to serve the campground. Improvements included redesign of all campsites including new water and sanitary hook-ups, design of a sanitary lift station, design and permitting of a septic tank requiring secondary treatment, roadway improvements and surfacing and stormwater permitting. As the Project Manager, Mr. King was involved from start to finish in all facets of the project which included conceptual design, preparation of construction plans and estimates, permitting through various agencies as well as construction coordination between DRMP, the contractor, and FDEP. Design was complete in 2010.

Grantham Point Fishing Dock Replacement, City of Mount Dora, Lake County, Florida: Project Engineer on this dock design project. This project involved the design of a concrete floating dock installed on Lake Dora. Mr. King was responsible for preparation of site plans, securing permits from the Florida Department of Environmental Protection and preparation of contract specifications.

Letchworth - Love Mounds Archeological State Park, Florida Department of Environmental Protection, Leon and Jefferson County, Florida: This FDEP project involved improvements to the park including paving the entrance road and parking lot, stormwater treatment facilities, siting and

well and water system and sidewalks to provide connectivity between the existing and proposed features. As Project Manager, Mr. King was involved from start to finish in all facets of the project which included project management, conceptual design, preparation of construction plans and estimates, permitting through various agencies as well as construction coordination between DRMP, the contractor, and FDEP.

Blackwater River State Park, Florida Department of Environmental Protection, Okaloosa County, Florida: This FDEP project involved the renovation of the existing campground at this park along with the addition of a potable water system to serve the campground. Improvements included redesign of all campsites including new water and sanitary hook-ups, roadway improvements and surfacing and stormwater treatment facilities. As the Project Manager, Mr. King was involved from start to finish in all facets of the project which included conceptual design, preparation of construction plans and estimates, permitting through various agencies as well as construction coordination between DRMP, the contractor, and FDEP.

Talladega Trail Drainage Improvements, Escambia County, Florida: Project Engineer and Engineer of Record on this \$300,000 drainage improvement project in Pensacola, Florida. The project involved the expanding an existing FDOT owned pond and construction of an improved stormwater outfall residential subdivision. After field reviews and hydrological evaluation Mr. King developed the concept plan alternatives for review by County officials. Once a concept was approved final construction plans were generated along with quantity calculations and cost estimates and the required permits were secured. An Environmental Resource Stormwater Permit was secured from NFWFMD. Design was completed in 2007. The project was completed in 2009.

Trotters Park, City of Orlando, Orange County, Florida: Project Engineer on this City Park project. This city park is an approximately 200-acre multi-use park intended by the City of Orlando to be the most active City Park in Central Florida. This project involved the design of a stormwater system to serve a 45 acre park in the City of Orlando. Our role on this project included assistance with the Master Planning and Conceptual Engineering for the entirety of the site, as well as the design and permitting of site infrastructure. Design elements include design of four (4) stormwater ponds, incorporation of an existing borrow pit into the stormwater system, evaluation of runoff quantity to a drain well and securing discharge approval from the Florida Department of Environmental Protection, design of a collection system and securing a Standard Environmental Resource Permit from the St. Johns River Water Management District.

Henry Davis Park Drainage Improvements, City of Panama City, Bay County, Florida: Mr. King was Project Manager for the recently completed engineering plans for a \$1.1 Million water quality and flood control project in the City of Panama City. This project involved filling and piping a drainage ditch, construction of a wet detention pond for water quality and flood control, design of discharge structures and erosion control devices, permitting through the US Army Corps of Engineers and the Florida Department of Environmental Protection. Design was completed in 2006 and construction was completed in 2008.

Professional Engineering Services, Northwest Florida Water Management District, Multiple Counties, Florida: Mr. King served as Project Manager for this contract. This contract required DRMP to act as an extension of staff on tasks including review of Environmental Resource Permits, beta testing e-permitting portals and consulting for additional rule making. DRMP has maintained this Contract with NFWFMD for 3 years and has executed 6 Task Orders for this Contract.

Districtwide NPDES Consultant, FDOT District Three, Florida: Project Manager on this continuing services contract. Mr. King is responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and have executed 30 separate Task Orders for this Contract.

EMC Monitoring, FDOT Central Office, Florida: Mr. King served as Northwest Florida Task Manager for overseeing event mean concentration monitoring for rural road basis in Florida's panhandle. This included site selection, implementation, installation of equipment, collection of samples and reporting data.

Big Wekiva River Basin Stormwater Master Plan, Seminole County Public Works, Florida: Project Manager for this Master Stormwater Basin study. This study involved modeling and preparation of a master plan for the 6 square mile Big Wekiva Basin in Seminole County. Mr. King was responsible for supervising the completion of Phase II of the study. The study recommended water quality and quantity improvements throughout the basin including culvert upgrades, control structure retrofits, pond construction and enlargement, trash screening devices, trash skimmers and pond enlargement.

Little Wekiva River Erosion and Sedimentation Study Phase, City of Altamonte Springs, Seminole County, Florida: Project Manager for this \$228,000 Extensive Basin study. This study encompassed the Seminole County portion, 29 square miles, of the Little Wekiva River Basin. This project involved an update of the original study to include an emphasis on environmental characteristics of the basin. Conceptual plans were developed to consider potential impacts to wetlands, a pollution prevention plan, outlining erosion and sediment control procedures to be employed, an evaluation of water quality within the basin and a lake water quality analysis. Due to recent deposition of sediment within area, the model was reanalyzed to recommend several solutions for flood control. Also recommended were erosion and sediment control measures to be implemented alone or in conjunction with another alternative, depending upon the particular deficiency.

Ben C. Faust, PE

Vice President-in-Charge



Years of Experience

19 Total
10 With Firm

Professional Registration

Professional Engineer No.
52624, Florida, 1999

Education

Bachelor's of Science in Civil
Engineering, University of
Central Florida, 1991

Professional Affiliation

Transportation Committee
Member, FICE, 2010

State Director for Gulf Coast
Chapter, Florida Engineering
Society, 2010

Planning Commission, City
of Lynn Haven, Fl

Certification

Work Zone Traffic Control

PROFESSIONAL PROFILE

Ben C. Faust, PE is a Vice President of DRMP and Area Leader for oversight of DRMP's engineering operations in the Florida Panhandle. He serves as the project manager for a range of major and minor projects for state, municipal and private clients. His experience includes all phases of project development from planning and programming, through design and land acquisition to final construction.

RELEVANT PROJECT EXPERIENCE

West Orange Trail Phase III, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on new alignment and city roadway including site development and permitting for a trailhead with paved parking and restrooms, RE wall design, and analysis for pedestrian overpass at US 441. The project plans were prepared to Orange County bid and award criteria.

Clermont - Minneola Bike Trail, FDOT District Five, Lake County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed connecting the cities of Clermont and Minneola. Project required close coordination with the cities and included an elaborate waterfront park with seawalls, pavilions, decorative pavement, parking areas, lighting, restrooms, and a clock tower.

Lake Fran - Dr. Smith Bike Trail, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on new alignment and city roadway including site development and permitting for a trailhead. The project plans were prepared to City of Orlando bid and award criteria.

Wekiva Trail, FDOT District Five, Seminole County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed in Seminole County. Project design required close coordination with county personnel and with adjacent residents and homeowners associations. Project plans include a decorative 100 foot span AASHTO beam bridge over the Little Wekiva River, various boardwalks, walls, two trailheads, a signalized intersection, decorative signage and landscaping.

Maitland Red Bike Route, FDOT District Five, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a bicycle and pedestrian facility in an urban environment that includes new alignment, restriping, signalization, and a timber boardwalk.

SR A1A Bike Trail, Flagler County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail along the SR A1A right of way in Flagler County.

Derksen - Debary Bike Trail, FDOT District Five, Volusia County, Florida: Department Project Manager for the preparation of construction plans to build a multi-use trail on an abandoned rail bed and city roadway. Project plans include site development for a parking area, striping, landscaping and a signalized pedestrian crossing.

Maitland Blue Line Bike Route, City of Maitland, Orange County, Florida: Department Project Manager for the preparation of construction plans to build a bicycle and pedestrian facility in an urban environment that includes new alignment, milling and resurfacing, restriping, signalization, and a timber structure.

US 17/92 Streetscaping, City of DeLand, Volusia County, Florida: Department Project Manager for a JPA with the City of DeLand to design and construct a streetscaping project on US 17/92 that required the reconstruction of all downtown intersections with colorized concrete pavement. Extensive coordination was required for Maintenance of pedestrians and roadway traffic through-out the project and especially at the intersection with SR 44 in the middle of the project. Project also includes interconnected mast arm resignalization, striping, and landscaping with irrigation.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Vice President-in-Charge for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Faust provided oversight and allocated resources for as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** This project includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox Street), FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** The design of this 0.5 mile project included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** The design of this 0.5 mile project included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** The design of this signalization project includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** The design of this project includes the addition of an eastbound right turn lane. This project also includes drainage improvements.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This project includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

Group 05-01 Resurfacing Design Contract, FDOT District Three, Washington and Gulf Counties, Florida: Project Manager for two resurfacing projects including milling and resurfacing, adding turn lanes, intersection analysis and pedestrian safety improvements.

Group 03-5 Resurfacing and Minor Design Contract, FDOT District Three, Escambia County, Florida: Project Manager for a group of four projects in the Pensacola area including milling and resurfacing, adding turn lanes, intersection redesign, signalization, drainage improvements, sidewalk and public involvement (\$6M construction cost).

Tapestry Park PUD, Tapestry Park Land Company, Panama City Beach, Bay County, Florida: Project Manager for a 62-acre PUD in Panama City Beach. Includes master planning, design, construction documents and permit approval for mixed use development including neo-traditional urbanism residential subdivision.

Continuing General Planning Services for the West Florida Regional Planning Council (WFRPC), Florida: Vice President-in-Charge for General Planning Services for the Florida-Alabama, Okaloosa-Walton and Bay County Transportation Planning Organizations (TPOs). Services under this contract include, TPO administration, unified planning work program, public involvement process, regional coordination, data collection, GIS data analysis, transportation improvement programs, long range transportation plans, transportation system management, freight and goods movement planning, public transportation planning, bicycle/pedestrian systems planning, transportation disadvantaged program, air quality planning, corridor planning and preservation, congestion management process, intelligent transportation system (ITS) planning, and any other services to fulfill the needs of the West Florida Regional Planning Council. DRMP's current tasks under this contact include:

- **Regional Freight Network Plan for FL-AL, Okaloosa-Walton & Bay County TPOs**
- **SR 77 Corridor Management plan**
- **SR 85 Corridor Management Plan**
- **Bay County Long Range Transportation Plan**
- **Bay County Transit Plan Major Update**
- **Regional ITS Plan for FL-AL, Okaloosa-Walton & Bay County TPOs**
- **Engineering Services Support for the Bay County TPO Transit Maintenance & Administration Facility**

Front Beach Road Community Redevelopment Agency, City of Panama City Beach, Florida: Program Manager for a full-service staff extension contract with the City of Panama City Beach. His responsibilities include complete staffing, oversight and administration for the planning, financing, design and construction of \$400M in capital project improvements, including roadway, drainage, utility, streetscaping, parking structures, transit planning and operation, and development and coordination of public/private partnership projects. Also includes the oversight and administration of a significant eminent domain acquisition program. Administration duties include building and maintaining the work program and budget, schedule, and manpower management, funds coordination, and oversight for a full range of consultant service providers.

Allen W. Schrupf, PE

Quality Assurance/Quality Control



Years of Experience

34 Total
17 With Firm

Professional Registration/Certification

Professional Engineer No. 41673, Florida, 1989
Professional Engineer No. 29374, Alabama, 2008
Professional Engineer No. 032366, Georgia, 2007
Professional Engineer No. 27051, New Jersey, 1981
Professional Engineer No. 033463, North Carolina, 2007
Professional Engineer No. 25742, South Carolina, 2007

FDOT Maintenance of Traffic Advanced Certification, Florida, No. ORL-AMOT-23171 (10/12/2012)

Education

Bachelor's of Engineering, Stevens Institute of Technology, 1976

Professional Affiliation

American Society of Civil Engineers
American Society of Highway Engineers
Florida Engineering Society, Florida Institute of Consulting Engineers, Chair – Specifications Review Subcommittee
Florida Greenbook Committee, Chair – Work Zone Safety Subcommittee

Instructor

Advanced Level - Work Zone Traffic Control
Advanced Level Refresher – Work Zone Traffic Control

PROFESSIONAL PROFILE

Allen W. Schrupf, PE is the Director of Quality Control (QC) for the Transportation Division of DRMP. In that role, he is responsible for developing all project quality control plans, supervising all QC reviews, and preparing QC documentation. He also provides these review services to other consulting firms and public agencies on an independent contract basis.

He has also delivered seminars on the methods to administrate an effective Quality Assurance /Quality Control Program at FDOT Project Management Training and APWA conferences. To date, his review efforts number in excess of 500 different transportation projects in study phase and final design phase, and of all sizes and types.

RELEVANT PROJECT EXPERIENCE

RURAL AND URBAN ARTERIALS (FDOT MAINTAINED)

Mr. Schrupf has provided QC services for more than 250 projects throughout nearly all seven of FDOT Districts involving resurfacing, widening, "transportation enhancements", sidewalk improvements, or reconstruction. Some involved bridge replacements (a few were of considerable length), new structures, pedestrian overpasses, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

MUNICIPAL ROADWAYS

Mr. Schrupf has provided QC services for more than 200 projects throughout all of Florida, involving resurfacing, widening, "transportation enhancements", sidewalk improvements, bridge improvements, drainage system improvements, roadway reconstruction and new roadway alignments. Some also involved bridge replacements, new structures, or interchange improvements. Most required involved upgrading signalization, signing & marking, lighting, landscaping, right-of-way and utilities components.

CONSTRUCTABILITY REVIEWS

In particular, Mr. Schrupf provided constructability review services under a Districtwide Contract for FDOT, District Five where he reviewed more than 50 projects (totaling \$750 million in construction) in a one-year period.

FINAL DESIGN

Mr. Schrupf has also been in charge of the preparation of all engineering designs, plans, and specifications for improvements to all types of roadways. He has supervised all aspects of design, as well as permitting documents and Post-Design services during construction.

SR 542 Resurfacing Projects, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

I-4, Polk County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

US 301, Manatee County, Florida: Responsible for preparation of all engineering designs, plans, and specifications. Where necessary safety & drainage improvements as well as traffic signal upgrades were also incorporated.

SR 82, Charlotte County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction project in the historic downtown area of Fort Myers, including scenic lighting enhancements, as well as extensive utility and drainage systems upgrades to serve this area of the city.

US 41 over the Gordon River, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening project from six-lanes to eight-lanes, bridge replacements, and specialized drainage/utility/lighting improvements.

International Drive Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new six-lane arterial with specialized decorative paving details at intersections. The improvements included extensive provisions for development of the area. Plans included potable water, sanitary and reuse lines, as well as coordination with electric and communications utilities.

Pinebrook Road Extension, Sarasota County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new four-lane arterial provided the neighboring developments more direct access to I- 75 since a new interchange was built adjacent to the project. Stormwater management ponds were configured to appear more natural to the area.

Vick Road Extension, Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this new two-lane arterial, expandable to four-lanes with scenic enhancement elements (decorative brick screen walls and wrought iron fences, as well as extensive landscaping of the medians and roadside areas were part of the improvements).

Rock Springs Road Widening Orange County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from three-lanes to five-lanes, including bicycle path features that will eventually become part of the West Orange Trail that stretches from Winter Garden to northern Apopka.

Mount Dora Alley Reconstruction, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this reconstruction of an existing urban facility with paving blocks was part of Mount Dora's ongoing program of revitalization of their historic district.

Immokalee Road Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes, with the capability of expanding to a six-lane facility once warranted due to the rapid development of this section of Collier County.

CR 951 Widening, Collier County, Florida: Responsible for preparation of all engineering designs, plans, and specifications of this widening from two-lanes to four-lanes. This involved two projects.

TRAFFIC CONTROL PLANS

In addition to being in complete charge of the projects listed above, Mr. Schrupf has served as the Project Engineer in responsible charge of development of Traffic Control Plans, while allowing the Contractor a means of completing the required improvements. Therefore, he must understand all aspects of the design plans, and their interdependency.

Ivey Lane Widening, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for roadway widening project from two-lanes to four-lanes included the replacement of a large drainage pipe.

Suncoast Parkway - Section 5, Florida's Turnpike Enterprise, Hernando County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

Western Beltway Section 602 and 603, Orange County, Florida: Project Engineer for traffic control plans for new expressway with interchanges.

US 192 Widening, Osceola County, Florida: Project Engineer for traffic control plans Widening from four-lanes to six-lanes/realignment.

Seminole County Expressway, Seminole County Expressway Authority, Seminole County, Florida: Project Engineer for traffic control plans of a new expressway with interchanges.

SR 35 Widening, Polk County, Florida: Project Engineer for traffic control plans Widening from three-lanes to five-lanes.

Northern Turnpike Signing Improvements, Florida's Turnpike Enterprise, Osceola, Orange and Lake Counties, Florida: Project Engineer for traffic control plans Replacement of nearly all signing, including several sign structures along about 50 miles of Florida's Turnpike.

Roadway Lighting Replacement on Matthews Bridge over the St. Johns River, Duval County, Florida: Project Engineer for traffic control plans for roadway lighting replacement on Matthews Bridge over the St. Johns River.

Haines Street Expressway Lighting improvements, Duval County, Florida: Project Engineer for traffic control plans for improving lighting along the Haines Street Expressway.

Miscellaneous Minor Design Projects, FDOT District Two, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

Miscellaneous Minor Design Projects, FDOT District Three, Florida: Project Engineer for traffic control plans for various task work orders throughout the District.

SR 19 Drainage Improvements, Lake County, Florida: Project Engineer for traffic control plans.

Lake Lorna Doone/Tampa Avenue Drainage Improvements, City of Orlando, Orange County, Florida: Project Engineer for traffic control plans for flood relief to improve the existing drainage systems within the vicinity of the project.

Lake of the Woods Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans.

Guernsey Basin Drainage Improvements, Orange County, Florida: Project Engineer for traffic control plans for streetscape improvements as well as the addition of traffic calming (roundabout).

CR 540A Widening, Polk County, Florida: Project Engineer for traffic control plans for roadway widening from a two-lane rural roadway to a four-lane urban divided highway.

SR 434 (Alafaya Trail) Widening, Seminole County, Florida: Project Engineer for traffic control plans.

Because of Mr. Schrupf's comprehensive experience in Traffic Control Plans Development, he now serves as a Part-time Instructor in both categories of ongoing technical education:

- Advanced Level - Work Zone Traffic Control
- Advanced Level Refresher - Work Zone Traffic Control



Eric W. Gooch, PE

Task Manager, Master Planning, Roadway/Trails, Site Plan Design, Utility Design

Years of Experience

12 Total
2 With Firm

**Professional
Registration/Certification**
Professional Engineer
No. 61686, Florida, 2004

Professional Engineer
No. 030227, Georgia, 2005

Certification
Georgia Erosion and
Sedimentation Control
Designer
No. 000008912

Education
Bachelors of Science in Civil
Engineering, Florida State
University, 1999

PROFESSIONAL PROFILE

Eric W. Gooch, PE is a Professional Engineer of DRMP and is currently a project engineer for civil, drainage and stormwater projects, Site Development and Design, Recreational projects. His chief responsibility is project design, construction plans and specifications, performing stormwater analysis and preparing drainage calculations and quality assurance/quality control. Mr. Gooch has worked as a sole proprietor engineer and also as a professional engineer for other design firms. He has a vast range of design and construction experience from design of utilities, stormwater infrastructure, subdivisions and associated roadways to the small and large scale site development commercial projects and parking lots. He currently works in DRMP's Tallahassee office and is proficient in such computer programs as AutoCAD, ICPR, ASADv3 and XPSWMM.

RELEVANT PROJECT EXPERIENCE

Miccosukee Park Master Plan and Design, Leon County, Florida: Responsible for all master planning for rural sports complex of baseball and soccer fields, tennis courts, basketball courts as well as associated seating and ADA accessibility. The master plan and design included grading, drainage, timber retaining walls and technical specifications for all specialty options provided for.

Henry Davis Park Improvements, City of Cairo, Grady County, Georgia: This project included wetland and impact mitigation, stormwater improvements and pedestrian facilities with walking trail and parking area to improve the downtown park within the City of Cairo. The final build out of this park will include new restroom facilities, walking trail, amphitheatre, Gazebos and stormwater improvements to help alleviate flooding downstream of Davis Park while providing for a user friendly environment.

St. Marks Trail Vault Restroom Permitting and Design, Leon and Wakulla County, Florida: Responsible for complete design and permitting of prefabricated concrete vault restrooms for FDEP Office of Greenways and Trails in 4 areas. This project involved grading, drainage, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. The permitting in Leon County consisted of Department of Health and Leon County Growth Management Site Plan Approvals, Wakulla County permitting included Site Plan Approval for each site as well as Site Plan Permitting with the City of St. Marks.

Withlacoochee Bay Trails, Citrus County, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved water and sewer distribution systems (public well and commercial septic system), roadway design including site distance determination, turn lane requirements, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections.

Marjorie Harris Carr Cross Florida Greenway, Dunnellon Trail, Citrus and Marion County, Florida: Responsible for design and permitting of this multi-use trail facility for FDEP Office of Greenways and Trails. This project involved roadway design for the multi purpose trail including site distance determination, turn lane requirements and analysis for the associated parking areas, grading, drainage, stormwater design, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. This project included multiple parking areas and extensive utility coordination and permitting.

Navarre Beach Boat Ramp, Navarre, Florida: Responsible for design and permitting of a new boat ramp with associated floating docks and parking area for the Florida Fish and Wildlife Conservation Commission. Amenities include floating docks, 3 lane boat ramp, restroom facility with associated utilities and large parking area for vehicular and trailer parking which accommodates over 100 vehicles and trailers. ACOE and FDEP wetland permitting and local agency permits were required for this project.

Navarre Beach State Park, Navarre, Florida: Amenities included full service campground with bath house, off grade pavilions, Parking Lots, Sidewalks, Walking Trail, restrooms and boardwalk. Responsibilities on this project included, ACOE/FDEP wetland permitting and local agency permitting, roadway design, stormwater and utility design, design of boardwalks and dock into the Santa Rosa Sound, roadway design, ADA accessibility review of all aspects of this project to ensure access as well as construction inspection and as-built certifications.

Nature Coast State Trail, Dixie, Levy and Gilchrist Counties, Florida: Responsible for complete design and permitting of this multi-use trail facility for FDEP, Bureau of Design and construction. The trail included multiple pedestrian and vehicular bridges as well as the conversion of an existing railroad bridge to a pedestrian bridge across the Suwannee River. ACOE and FDEP wetland permitting and local agency permits were required for this project.

St Marks Boat Ramp, St Marks, Florida: Responsible for design and permitting of a new boat ramp with associated floating docks and parking area for the Florida Fish and Wildlife Conservation Commission. Amenities include floating docks, new 2 lane boat ramp, restroom facility with associated utilities and large parking area for vehicular and trailer parking which accommodates over 50 vehicles and trailers. ACOE and FDEP wetland permitting and local agency permits were required for this project.

Blackwater Heritage Trail & General James A Van Fleet State Trail Vault Restroom Permitting and Design, Santa Rosa, Polk and Lake Counties, Florida: Responsible for complete design and permitting of prefabricated concrete vault restrooms for FDEP Office of Greenways and Trails in 2 different locations along each trail. This project involved grading, drainage, ADA accessibility and constructability reviews as well as design and construction quality control and inspections. The permitting in Santa Rosa County consisted of Department of Health permits only. The permitting in Polk and Lake County consisted of Department of Health permits and site plan permits for both sites as they were located in different counties

AmSouth Bank, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards. Permitting for this project included FDEP and City of Tallahassee.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Responsible for modeling and identification of current stormwater flood areas and alternatives to remedy the situation as well as the completion of an in-depth analysis report of all findings and alternatives. There was a combination of ICPR and HEC RAS used on this project to complete the modeling process.

Lonnbladh Road Drainage Study and Design, Leon County, Florida: Responsibilities included the revision of an in depth ICPR basin study and multiple design alternatives to determine a best community fit plan to help reduce flooding on the Northeast quadrant of Tallahassee. Permitting for this project included local agencies, FDEP and ACOE wetlands permitting. This project was located and designed such that the existing stream and wetlands would only be minimally impacted allowing the low flow conditions and wetlands to remain unaltered in the post development condition.

Orange Avenue Roadway Improvements, Leon County, Florida: Responsible for the design and relocation of water and sewer distribution systems and assisted with the design of stormwater and drainage improvements to the project which consisted of a 2 lane urban road section with open ditch improved to an urban 4 lane section with closed box culvert system along the improved roadway.

Diddie Road Subdivision, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, as well as all other requirements to meet the City of Tallahassee Land development standards for this small residential subdivision.

ABC Liquors, Leon County, Florida: Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards for commercial developments.

Select Medical Long Term Acute Care Facility, Leon County, Florida: This project was a large site development project with a subdivision process. Responsibilities on this project included grading, drainage, stormwater design, landscape design, irrigation specs and performance requirements, concrete retaining walls, and ADA accessibility as well as all other requirements to meet the City of Tallahassee Land development standards.

Maneuver Battle Lab, Ft. Benning, Georgia: Responsible for all site and stormwater design consisting of and design of all new stormwater infrastructure, utilities, site plans, parking areas, loading area to meet the State of Georgia, Base, LEED Standards as well as ACOE standards and requirements.

Corry Station BEQ, Pensacola, Florida: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base.

Community House Road Improvements, Mecklenburg County, North Carolina: Responsible for all stormwater design consisting of analysis of the existing systems to determine service levels and design of all new stormwater infrastructure to meet the City of Charlotte and State of North Carolina standards for the roadway improvements on the Community House Road Improvements. Improvements consisted of the installation of grassed medians, turn lanes and the addition of curb and gutter and sidewalk to the existing roadway alignment.

6th Avenue NW Roadway and Drainage Improvements, City of Cairo, Grady County, Georgia: Responsibilities on this project included design, permitting and stormwater modeling of this access roadway for the northwest neighborhood in the City of Cairo. This project included the design of headwalls, cross drain piping, roadway and associated improvements to facilitate access during storm events. Georgia EPD permitting, ACOE wetland permitting and local agency permits were required for this project.

Eric M. Brown

Master Planning, Site Plan Design, Utility Design



Years of Experience

12 Total
6 With Firm

Education

Bachelor's of Arts in Visual Communication, American Intercontinental University, Georgia, 2005

Gulf Coast Community College, Introduction to Computer Animation, Florida, 2002

Mechanical and Architectural Drafting Certification, Haney Technical Center, Florida, 1996

AutoCAD Certificate, 1996

Civil 3-D Fundamentals Training, 2008

Software Aptitude

Civil 3D 2009

Land Development Desktop

AutoCAD Map

Raster Design

MicroStation

GEOPAK

ESRI ArcGIS

BlueMarble Geographic Transformer

Google Earth Pro

PROFESSIONAL PROFILE

Eric M. Brown is a Senior Project Designer in DRMP's Panama City Beach office. His responsibilities include designing construction and permitting plans consisting of site layout, stormwater grading and drainage, potable and reclaimed water and wastewater for all sizes of residential, commercial and industrial developments, including marinas, roadway projects and municipal improvement projects for utilities, drainage and recreational facilities. He has been the principal project designer and/or actively participated and contributed to the successful design of hundreds of projects with a total civil infrastructure cost of over \$150 million.

He is also highly skilled in AutoCAD Map, Land Development Desktop, Raster Design and has several years experience working with GIS software. In addition to his technical skills, Eric Brown is familiar with most construction practices and permitting procedures. Furthermore, he has prepared numerous surveys and plats, created cost estimates and performed daily construction inspection.

RELEVANT PROJECT EXPERIENCE

Pier Park Beach Front Parking Concept Plan, Panama City Beach, Bay County, Florida: Project Designer responsible for the conceptual retrofit layout for new on-street parking areas at Pier Park which would conform with future C.R.A. roadway improvements and on-going pier construction.

A.L. Kinsaul Recreational Park and Leslie Porter Park Boat Ramp, City of Lynn Haven, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for renovations and additions to city owned recreational parks. The scope included multiple boat and jet-ski slips, docks, two ball fields, soccer field, concession and outdoor entertainment facilities. Also, access, drainage, utility and safety upgrades for the existing sites were provided. In addition to local and state regulatory permit requirements, this project also included FDEP environmental permit plans for dredging and filling plus Sovereign Submerged Land Lease plans.

Bay Point Golf Resort Roadway Overlay and Golf Cart Path, Bay Point Resort, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for resurfacing of approximately 5.0 miles of roadway (Bay Point Road, Marlin Circle and Wahoo Road at the Bay Point Resort). This work was done as part of a 10-year maintenance engineering contract. Other aspects of this work included utility and drainage improvements, several miles of golf cart paths, marina expansions, maintenance dredging and conceptual layouts. In addition to local and state regulatory permit requirements, this project also included DEP environmental permit plans for dredging and filling plus Sovereign Submerged Land Lease plans.

Northridge Water and Waste Water Capital Improvement Project, City of Lynn Haven, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for this Capital Improvement Project in the Northridge area. The project consisted of converting 20 residential city blocks (approx 200 homesites) from on-site sewage disposal systems to a new public gravity sanitary sewer system while also installing public potable water services to many lots which were currently undeveloped. The work included the design of approximately 3.3 miles of water and wastewater infrastructure, including water service taps, meters, manholes, lateral stub-ups, connections to adjacent gravity sewer systems and the installation of a master lift station. Additionally, avoidance and/or replacement of existing drainage piping and structures, pavement cuts and patches, asphalt overlayment of streets and storm water pond modifications were designed as part of the project. In addition to local and state regulatory permit requirements, this project also included DEP environmental permit plans for dredging and filling. Citizen awareness and collaboration was also a key endeavor of this project to ensure existing and future homeowner's were provided a suitable connection point based on their respective OSDS location, invert and finished floor elevation.

Master Lift Station #1, City of Lynn Haven, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a city master lift station. The project consisted of replacing the first master lift station installed by the city over 50 years ago. The design constraints were constructing a new lift station system less than 20' from the edge of a waterway, keeping service on-line for a large area of city, and protecting the existing terracotta gravity sewer lines during construction and connection to the new pump station. This was achieved by several methods including: sheet piling, slip lining and "dog house" style manholes. Another important design aspect of the existing lift station was the

welded steel sub aqueous crossing that was robotically videotaped for defects and leaks; after which it was determined that re-lining was required prior to extension to new lift station. All of the construction was contained on the original lift station easement and city owned property.

Ranch Road Water Main Extension: Project designer responsible for developing construction plans for a 1000+/- L.F. extension of a 8" potable water main along an existing paved road. The water main was to serve a future residential development, provide fire protection and connect to the existing county potable water supply system.

US 231 Force Main Routing Survey, Town of Cedar Grove, Bay County, Florida: Project designer responsible for drawing production management and raster image management to support survey mapping of over 6 miles of U.S. Hwy 231 for the.

One-Source Wire Distribution Facility, 1-Source Wire and Cable, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 7.5+/- acre industrial distribution facility. The design consisted of a 50,000 sq ft distribution warehouse terminal building with eight loading docks and ramps. The site was designed to provide concurrent access, turning movements, staging/storage and loading/unloading of multiple semi-trailer trucks in a comfortable and safe manner. The use of standard and heavy duty asphalts and concretes were utilized to handle the different vehicular use areas. The plans included water waste water services and the drainage infrastructure was also designed to accommodate the high demands of the largely impervious site, including rood drain trunk lines, sumped loading dock trench drains with heavy duty grates and concrete curb flumes with energy dissipaters to reduce erosion velocities at storm water pond sheet flow entrance points.

Mercury Marine Research and Development Facility, Brunswick Corporation, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 14+/- acre research and development facility. The design consisted of a 32000 sq. ft. Research and Development building with support two support buildings, 100+ boat slip marina, above ground fuel storage area and two concrete travel lift piers with four boat ramps and two wooden piers totaling 450' in length. The fast track design-build project was strategically sited based on Highway proximity, physical local access encumbrances, bay and gulf access vicinity and hurricane protection. The challenging topographic conditions and traveling boat lift slope requirements were addressed by creative site design and building placement in relation to travel lift piers. Environmental dredge and fill plus sovereign submerged land lease permit plans were also in the design scope along with re-zoning, Rights-of-Way abandonment and adjacent property acquisition. Detailed coordination regarding specific boat widths, drafts and lengths were required during marina design along with additional site specific specifications to ensure employee and environmental safety. Additional off-site improvements and parcel acquisitions were also required to design an oversize truck route plan. Other aspects of the plans included channel dredging, channel marking and break-water design.

Lynn Haven United Methodist Church, Bay County, Florida: Project Designer responsible for developing construction and permitting plans for a 41.5+/- acre church complex. The project consisted of 37000 sq. ft. worship and education center and a planned 18000 sq. ft. future expansion. Site infrastructure consists of a 3.5+/- acre parking area and a 1.7+/- acre overflow parking area. A network of drainage inlets and piping was designed for the parking areas and roof drains along with a total of 1.25+/- acres in storm water management areas. Water and waster systems were also designed to accommodate the future needs of the church. In addition to local and state regulatory permit requirements, this project also included a comprehensive environmental plan for wetland dredging and filling along with wetland restoration and creation utilizing earthen check dams.

Bay County/TDC Beach Renourishment Project, Bay County, Florida: Project Designer responsible for designing the storm water outfall systems and coordinating the design of erosion control plans for 17.5+/- miles of beach for the Panama City Beach renourishment project to alleviate unregulated pollution and storm water discharge entering the Gulf of Mexico. The project reestablishing the erosion control line and beach dune system by bring in over 8 million cubic yards of suitable sand from multiple submerged borrow sites. In addition to the NPDES requirements, the design consisted of identifying, collecting and treating all outfalls greater than 4" in diameter that discharged directly to the beach and installing/modifying hundreds of drainage outfall structures along the beach. This work was coordinated with Coastal Planning and Engineering, Inc. and was one of the largest beach erosion control project ever built under a single contract.

Warrington Elementary School Addition, Escambia County School Board, Escambia County, Florida: Project designer responsible for developing construction plans for a building addition at Warrington Elementary for. The project was a fast paced Design/Build project that included design of new infrastructure & the retro-fitting of existing infrastructure. In addition to site, drainage & utility improvements a covered sidewalk was also incorporated to provide accessibility from existing school buildings to the new stand-alone addition.

Pelican Pointe Golf Course Cart Paths, Bay County, Florida: Project designer responsible for developing construction plans for a concrete golf cart path extension. The 7250+/- L.F. cart path was designed to avoid environmentally significant areas and limit the disturbance to the existing golf course while maintaining existing surface water flow patterns.

Gulf Beach Highway Sidewalks, Escambia County, Florida: Project designer responsible for developing construction plans for five miles of shared use path along Gulf Beach Highway adjacent to Grand Lagoon State Park (CR 292A). The proposed sidewalk was designed with pedestrian amenities at approximately ½ mile intervals, including benches, waste receptacles and landscaping. Driveway and intersection improvements were designed to reduce potential pedestrian and vehicular conflicts.

S. Scott Early, PE

Roadway/Trails



Years of Experience
17 Total
4 With Firm

Professional Registration
Professional Engineer No.
51914, Florida, 1997

Education
Bachelor's of Science in Civil
Engineering, Auburn
University, 1992

Professional Affiliation
American Society of Civil
Engineers
Florida Engineering Society

Software Aptitude
MicroStation
GEOPAK
HCS
Synchro
ASAD
ICPR

PROFESSIONAL PROFILE

S. Scott Early, PE has over 17 years of experience in the engineering profession. He serves as Office Leader for DRMP's Pensacola office. Mr. Early possesses a wide range of engineering expertise in transportation, drainage and traffic-related projects. He has worked both in the private and public sectors of the industry.

Recently, he served as Design Manager for Escambia County, where he developed a design group to manage the County's in-house engineering requirements for transportation projects. These projects included: roadway widening, traffic engineering design and analysis, drainage design and analysis and developing engineering and Cadd standards.

RELEVANT PROJECT EXPERIENCE

Scenic Highway and Westinghouse Entrance, Escambia County, Florida: This project consisted of a grant secured by the Chamber of Commerce from the Office of Tourism and Economic Development for the purpose of reducing traffic accidents at the intersection and to increase the width of the intersection for truck traffic into and out of the Westinghouse facility. Mr. Early was responsible for the design to widen the intersection to accommodate a northbound left turn lane and a southbound right turn lane. This project also involved the extension of a large double box culvert and the installation of a new rail crossing and the associated rail signals and gates.

Navarre Beach Multi Use Path, Santa Rosa County Florida: Project manager and lead designer for this three mile, ten foot wide multi use path all along the north side of Navarre Beach Parkway on Santa Rosa Island. This project involved a meandering path with native landscaping and side street signing to help inform both the path users and the motorist. Also, this project had a fixed budget of \$600,000 which Mr. Early was able to meet through proper material type selection for the path.

Edgewater Sidewalks, Escambia County Florida: Project Manager and lead designer for over two miles of sidewalk located in a dense neighborhood and a constrained right-of-way. This project also involved drainage modifications, roadway modifications and safety features such as hand rail and side street signing.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Project Manager for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Mr. Early managed as many as eight assignments at any one time for this important safety contract.

- **District Wide 5% Report - High Crash Spot Project Development:** Serving as Project Manager for this project, which includes analyzing traffic crash data, performing field reviews to identify potential intersection safety projects and writing report.
- **SR 95 (US 29/Palafox St.), FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of sidewalk along the west side of SR 95 from Massachusetts Ave. to Brent Lane.
- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of eastbound and westbound left turn lanes along SR 267. Other tasks included upgrading the existing signal and various drainage improvements.
- **SR 292 at Waycross Ave, FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 292 as well as the implementation of drainage improvements.
- **SR 173 at Bellview Ave, FDOT District Three, Escambia County, Florida:** Served as Project Manager for the design of this 0.5 mile project, which included the addition of a center turn lane along SR 173 as well as the implementation of drainage improvements.
- **SR 30A (US 98) at Clara Ave, FDOT District Three, Bay County, Florida:** Serving as Project Manager for the design of this signalization project, which includes the addition of a fully operational traffic signal supported by mast arms at the intersection.
- **SR 30A (US 98) at Lyndell Lane, FDOT District Three, Bay County, Florida:** Serving as Project Manager for this project which includes the addition of an eastbound right turn lane. This project also includes drainage improvements.

- **CR 179A, FDOT District Three, Holmes County, Florida:** Serving as Project Manager for this project which includes the addition of 4 foot paved shoulders for this county road that had been designated as a "High Risk Rural Road." This project also included multiple drainage and safety improvements.

SR 10 (US 90), FDOT District Three, Leon County, Florida: Served as Project Manager for the design of this one-mile milling and resurfacing job from Cross Creek Golf Road to Apex Drive. This project included roadway design, addition of keyhole bicycle lanes, utility coordination, and FDEP coordination and permitting.

Olive Road and Gregg Road Design Build Intersection, Escambia County, Florida: Project Manager for this turn lane project. This project included the addition of a left turn lane on Olive Road (SR 290) with no impact to an existing limited right-of-way. The project demanded significant coordination with the FDOT, affected utility companies and the Prime Contractor. This project was a Design-Build project.

Pine Forest Road and West Roberts Road, Escambia County Engineering, Florida: Project Manager and lead designer for this 1.7 mile milling, resurfacing and drainage project. This project consisted of widening the existing roadway to 24' adding 5' paved shoulders, turn lanes on Pine Forest Road and major drainage improvements to prevent home flooding on West Roberts Road.

10 Mile Road and Highway 95A, Escambia County Engineering, Florida: Project Manager and lead designer for this major intersection improvement. This project included the addition of curb and gutter, closed system drainage and left turn lanes on all four approaches. Additional improvements were made to an existing County stormwater management facility along with a new signal installation at the intersection. Mr. Early also assisted in the right-of-way acquisition for this project.

Marcus Pointe Boulevard and "W" Street, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Marcus Pointe Blvd., the addition of curb and gutter and the modification to existing stormwater structures within the project limits.

West Fairfield Drive and Ruby Avenue, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Ruby Avenue and modifications to the existing signal on Fairfield Drive. This project demanded significant coordination with the Florida Department of Transportation affected utilities companies and a single property owner who donated the right-of-way to help make the project a success.

72nd Avenue and US 98, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project had to be coordinated with ongoing construction activities by the Florida Department of Transportation as part of their efforts to widen US 98 to four lanes. Modifications to the proposed traffic signal along with all work within the FDOT right-of-way had to be coordinated with FDOT and their contractor so as not to delay both projects.

North 9th Avenue and Tippin Avenue, Escambia County Engineering, Florida: Project Manager and lead designer for this turn lane and signal modification project. This project involved the addition of a right turn lane on Tippin Avenue, the addition of curb and gutter and closed system drainage to eliminate known drainage problems within the intersection.

SR 10 (US 90) Over the Choctawhatchee River, FDOT District Three, Holmes and Washington Counties, Florida: Project Engineer responsible for roadway design, drainage design, and plans preparation, Preparation of roadway and traffic control plans for this major bridge crossing.

SR 289, 9th Avenue at Airport Boulevard, FDOT District Three, Escambia County, Florida: Project Engineer, responsible for layout and design of mast arms, full pedestrian features, and signal timings for this major, urban intersection. Also, Mr. Early was responsible for all drainage design elements for the project.

SR 289 (9th Avenue), I-10 to Olive Road, FDOT District Three, Escambia County, Florida: Project Engineer for design and preparation of plans for widening SR 289 from a two-lane undivided to a four-lane divided roadway. Project involved plans for approximately one mile of new four-lane roadway, a closed drainage system and retention pond, and improvements to the Olive Road intersection including signalization. Close coordination was required with a concurrent Olive Road project.

SR 291 (Davis Highway), Carpenter Creek Bridge Replacement, FDOT District Three, Escambia County, Florida: Project Engineer for the preparation of final plans for the replacement of the existing bridge culvert. Plans include preparation of Bridge Hydraulics Report and Bridge Development Report to determine the most feasible bridge option. Detailed Maintenance of Traffic Plans are also required.

SR 263, Capital Circle, FDOT District Three, Leon County, Florida: Project Engineer, developed detailed traffic analysis and conceptual design plans for mainline and two-way frontage roads. Traffic analysis included traffic flow patterns based on ITE Trip Generation, Passer II Arterial Progression, and HCS Analysis.

Travis N. Shannon, EI

Drainage Design

Years of Experience

5.0 Total

5.0 With Firm

Professional Registration/Certification

Engineer Intern No.
1100012073, Florida, 2007

Education

Bachelor's of Science in Civil
Engineering, Florida State
University, 2007

Software Aptitude

AutoCADD

MicroStation V8 & XM

Geopak

Geopak Drainage

ASAD

AdICPR

AdICPR Perc Pack

HEC-RAS

HY-8

Modret

ArcMap GIS

Microsoft Project

CRASH

PROFESSIONAL PROFILE

Travis N. Shannon, EI is currently a project engineer for drainage and stormwater projects in the Tallahassee office. He is experienced with roadway construction, widening, drainage improvements, and quantity computation books. His duties include analysis and design as well as plans production. Before getting his degree, Travis worked as an engineering technician in DRMP's Panama City office. Upon graduation, he moved to the Orlando DRMP office where he participated in the PE training program. He worked in the water resources and transportation departments for approximately one year before moving to Tallahassee.

RELEVANT PROJECT EXPERIENCE

Maneuver Battle Lab, Ft. Benning, Georgia: Drainage project engineer for this building and parking lot addition inside Fort Benning, Georgia. Responsible for the design of the entire new stormwater infrastructure to meet the State of Georgia, Base, and LEED criteria as well as ACOE standards and requirements. This project is a Design Build project and is currently underway.

Corry Station BEQ, Pensacola, Florida: Drainage project engineer responsible for all stormwater design which consisted of the analysis of the existing systems to determine service levels and the design of the stormwater management facilities and the collection and conveyance systems to meet the Northwest Florida Water Management District and LEED Standards as well as NAVFAC Standards for Corry Station Naval Base. This project is a Design Build project and is currently underway.

Dairy Queen, City of Panama City Beach, Bay County, Florida: Engineer for the civil site work for a proposed Dairy Queen in the City of Panama City Beach, Fl. Responsibilities included producing the civil construction plans for the site and necessary permits as well as the design of the utility system, stormwater conveyance system, pavement typical section, signage layout, and erosion & sediment control measures.

Finding of Necessity Report, City of Parker, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

Finding of Necessity Report, City of Cedar Grove, Bay County, Florida: These reports included analysis and calculations for planned roadway improvements throughout the City. Responsible for the field review, report exhibits and maps, cost estimate, and various parts of the reports themselves.

EMC Monitoring, FDOT Central Office, Florida: Engineer responsible for the day to day management of the event mean concentration monitoring for rural road basis in Florida's panhandle. This included the selection of two monitoring sites, implementation, equipment installation, sample collection and data reporting for this ongoing project.

District Wide NPDES Consultant, FDOT District Three, Florida: Engineer responsible for assisting the Department in compliance for all NPDES permits in the District. Responsible tasks include Annual Report Updates, mapping, inspections, monitoring, Pollutant Loading Updates, Stormwater Retrofit Design, Coordination with Local Partners, Public Involvement. This contract is presently underway. DRMP has maintained this Contract with District Three for 6 years and has executed 30 separate Task Orders for this Contract.

Stormwater Master Plan, City of Cairo, Grady County, Georgia: Engineer responsible for preliminary modeling and field reviews for the identification of existing stormwater flood prone areas and proposed alternatives to remedy any problems. Recommendations from the cost / benefit analysis and phasing were presented to the City Council for implementation. The Master Plan was completed in 2009.

Buchanan Street Drainage Improvements, City of Cairo, Grady County, Georgia: Engineer responsible for preliminary modeling and field reviews for the culvert upgrade under Buchanan Street in Cairo, Georgia. Project was an emergency response to flooding caused during Tropical Storm Fay in September 2008.

Traffic Safety Studies, FDOT District Three, Okaloosa County, Florida: Performed a field review and traffic analysis and prepared a safety study report for three intersections in the City of Crestview in Okaloosa County, Florida. These intersections were part of the District Wide 5% Report – High Crash Spot Project. The intersections included SR 85 at Courthouse Terrace (M.P. 18.342), SR 85 at Courthouse Terrace (M.P. 18.367), and SR 85 at Brett Street. Responsibilities included assembling FHP crash data, calculating crash costs, identifying safety improvements, and estimating a cost-to-benefit ratio for each improvement.

Capital Circle Southeast, Blueprint 2000, Leon County, Florida: Drainage engineer for this 3.1 mile, design build, roadway widening project, which included the expansion of a rural two lane road to an urban six lane section with curb and gutter and sidewalks. Responsibilities included the design of the stormwater management facilities and secondary collection systems, plans production, shop drawings reviews, and extensive coordination and field visits with the contractor. This project was completed in 2010.

District Wide Miscellaneous Safety Contract, FDOT District Three: Drainage Project Engineer for a variety of safety projects throughout the District as part of a district wide safety contract. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Responsibilities primarily included drainage reviews for any project which was impacting the hydrology or drainage infrastructure.

- **SR 267 at SR 369, FDOT District Three, Wakulla County, Florida:** This 0.5 mile roadway project included the addition of east and westbound left turn lanes along SR 267. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 292 at Waycross Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 292. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 173 at Bellview Avenue, FDOT District Three, Escambia County, Florida:** This 0.5 mile roadway project included the addition of a center turn lane along SR 173. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **SR 30A at Lyndell Lane, FDOT District Three, Bay County, Florida:** This roadway project included the addition of a right turn lane along SR 30A onto Lyndell Lane. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.
- **CR 179A, FDOT District Three, Holmes County, Florida:** This roadway project included the addition of paved shoulders on this high risk rural road. Responsibilities included analyzing the drainage impacts from the proposed roadway improvements and providing simple solutions for the created impacts.

SR 10 (US 90A/Nine Mile Road) PD&E Study, Escambia County, Florida: Drainage Project Engineer for the PD&E Re-evaluation Study of the proposed improvements to SR 10 (US 90A/Nine Mile Road) from SR 297 (Pine Forest Road) to SR 95 (US 29), a distance of approximately 2.15 miles in Escambia County, Florida. This roadway segment was included in a previous Type 2 Categorical Exclusion for SR 10 (US 90A/Nine Mile Road) from the Alabama State Line to University Parkway and SR 297 (Pine Forest Road) from SR 8 (I-10) to SR 10 (US 90A/Nine Mile Road), approved on May 1992. This Re-evaluation began in November 2009 and is expected to be completed in early 2011. Responsibilities include the preparation of a Pond Siting Report and participation in public involvement meetings.

I-10/US 29 Interchange and I-10 Mainline Widening PD&E Study Re-evaluation, FDOT District Three, Escambia County, Florida: Drainage Project Engineer for this PD&E Study Re-evaluation of improvements to the existing SR 8 (I-10) / SR 95 (US 29) interchange as well as the proposed widening of SR 8 (I-10) from the SR 95 (US 29) interchange to the recently improved I-10 / I-110 interchange in Escambia County. The limits of this re-evaluation were included in the original PD&E study for Interstate 10 (SR 8) from west of Pensacola Boulevard (SR 95, US 29) to east of Scenic Highway (SR 10A, US 90) and Interstate I-110 from Maxwell Street to Interstate 10 (SR 8) which resulted in a finding of No Significant Impact (FONSI) approved in May 2000. Responsibilities include the preparation of a Pond Siting Memorandum and participation in public involvement meetings.

Lake Underhill Road RCA, City of Orlando, Orange County, Florida: This Roadway Corridor Analysis included preliminary engineering design for upgrading approximately 3.9 miles of Lake Underhill Road from a two lane to a four lane section. Responsibilities included the proposed stormwater pond analysis and preliminary design as well as the design and calculations for enclosing approximately 1.5 miles of the Rio Pinar Canal with dual concrete box culverts ranging in size from 6'x6' to 10'x7'. Extensive modeling (ICPR) was required to analyze the impacts to the surrounding areas in the Little Econlockhatchee River basin.

George P. McLatchey, CEP, PWS

Environmental Analysis and Permitting



Years of Experience

17 Total
14 With Firm

Certification

Certified Environmental Professional No. 10050430, Academy of Board Certified Environmental Professionals, 2010

Professional Wetland Scientist, No. 1259, Florida, 2000

Certified Professional in Erosion and Sediment Control, No. 2151, Florida 2000

Education

Master's of Science in Soil and Water Science/ Environmental Engineering Sciences, University of Florida, 1995

Bachelor's of Science in Microbiology, University of Florida, 1991

Professional Affiliation

Society of Professional Wetland Scientists

USACOE Certified Wetland Delineator

Florida Association of Environmental Professionals

Publication/Presentation

Regulation of Organic Matter Decomposition and Nutrient Release in a Wetland Soil, *Journal of Environmental Quality*, September 1998

Introduction to State and Federal Wetland Permitting Policies and Procedures, American Public Works Association, 2007

PROFESSIONAL PROFILE

George P. McLatchey, CEP, PWS serves as Department Manager for DRMP's Ecological and Environmental Sciences Department and has been a principal field investigator, staff supervisor, and project manager on several hundred projects. Mr. McLatchey has extensive experience in all aspects of federal and state permitting, National Environmental Policy Act (NEPA) compliance, including Wetland Evaluation Reports (WER), Endangered Species Biological Assessments (ESBA), and Essential Fish Habitat Assessments (EFHA). He is a certified Professional Wetland Scientist (PWS) and Certified Environmental Professional (CEP) and has a Bachelor's and Master's degree from the University of Florida with an emphasis in the discipline of wetland and ecological studies.

Mr. McLatchey's areas of specialization include federal, state, and local environmental permitting, mitigation design, wetland jurisdictional delineations and evaluations, listed species studies/relocation, ecological monitoring, lake water quality studies, and alternative corridors/alignment analysis. Mr. McLatchey has worked extensively on various public and private projects and has been involved with the environmental aspects of the planning, design and permitting of these projects. This project experience has given Mr. McLatchey strong qualifications in the PD&E and EIS process, corridor and alternative analysis, wetland and wildlife evaluations, mitigation design, public involvement, and permitting.

RELEVANT PROJECT EXPERIENCE

Dickson Azalea Park Restoration, City of Orlando, Orange County, Florida: Environmental Project Manager for wetland restoration project. This project involved the preparation of Construction Plans and securing permits for realignment of the stream and bank stabilization project in the Colonialtown South neighborhood in the City of Orlando. The project involved replacement and repair of erosion protection systems in the historical Dickson Azalea Park. This project required extensive involvement and coordination with the general public and the City's historical preservation staff. Design was completed in 2002 and construction was completed in 2003.

Dunnellon Recreational Trail, FDEP, Citrus County, Florida: Environmental Manager for permitting for the construction of a recreational trail within the FDEP Cross Florida Greenway property. Involved wetland functional assessment, listed species surveys, agency coordination, permitting, and conservation easement issues.

Rodman Dam Campgrounds, FDEP, Putnam County, Florida: Environmental Manager for permitting for the construction of camping facilities along the Florida Barge Canal: wetland delineation, SJRWMD, Army Corps of Engineers (ACOE), FFWCC and USFWS permitting.

Lake Minnehaha Park Boardwalk, City of Maitland, Orange County, Florida: Environmental Manager for permitting the construction of a boardwalk along Lake Minnehaha. Developed wetland mitigation planting plan approved by FDEP.

Econlockhatchee River Wetland Mitigation Plan and Design, Orange County, Florida: Project Manager for wetland restoration project. Prepared planting plan, performed annual vegetative monitoring and submitted reports to the St. Johns River Water Management District (SJRWMD) associated with the restoration and mitigation plan for the Econlockhatchee River for Orange County.

Midway Regional Stormwater Facility, Seminole County, Florida: Environmental Scientist. As part of the CEI team for this large stormwater facility that will supplement regional surface drainage for Seminole County, performed inspections of plant specimens to determine plant health prior to planting. Inspected plantings to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Lake John, City of Mount Dora, Lake County, Florida: Environmental Scientist for a stormwater improvement and ecological restoration project in an urban area. Prepared and secured the St. Johns River Water Management District Permit, developed a planting and monitoring plan for a six acre conservation easement created as mitigation for wetland impacts. Performed planting inspections during construction to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Mitigation Bank Feasibility Study at Paynes Prairie, Alachua County, Florida: Environmental Project Manager for a feasibility study to develop a mitigation bank over a property 767 acres in size. Services included habitat analysis, vegetative mapping, wetland assessment, and listed species studies. Report estimated functional lift to natural resources if mitigation the bank were constructed and anticipated revenue generated with bank.

Jones Avenue Wetland Restoration Project, Orange County, Florida: Environmental Project Manager for wetland restoration project. This project involved the design of a wetland restoration area and establishment of a master drainage plan for a 2.5-square mile watershed connected to Jones Avenue north of Lake Apopka in Zellwood, Florida. The project included development of a 37-acre wetland system that would provide storm water quality improvements and improved wildlife habitat. The project is a joint effort between the St. Johns River Water Management District and Orange County. An Individual Environmental Resource Permit was obtained from the St. Johns River Water Management District and a Notice General Environmental Resource Permit was obtained from the Florida Department of Environmental Protection.

Little Wekiva River Erosion Control, Seminole County, Florida: Environmental Project Manager for shoreline protection design and vegetative analysis, for the Little Wekiva River (Seminole County), for City of Altamonte.

Grantham Point Bank Stabilization, Lake County, Florida: Environmental Project Manager for shoreline restoration and protection, vegetative planting plan, mitigation design and permitting for the City of Mt. Dora.

Lake Fran Wetland Mitigation Design and Monitoring, Orange County, Florida: Environmental Project Manager for 17 acre wetland restoration project that required vegetative analysis, permitting, and annual monitoring for the City of Orlando. The mitigation design was part of a stormwater treatment facility for surrounding development.

Titusville Area IV Gopher Tortoise Relocation, City of Titusville, Brevard County, Florida: Environmental Scientist. DRMP was contracted to permit the relocation of gopher tortoises and listed commensal species out of the construction footprint of a the City's new potable water pipeline, running approximately 15 miles, from the Area IV wellfield to the City's water treatment plant. Biologists conducted a gopher tortoise burrow survey and located 100% of the burrows within the construction easement, ultimately locating 111 burrows and observed two eastern indigo snakes. Relocation permit for gopher tortoises was obtained from FFWCC and DRMP staff excavated 37 tortoises, transported them to a certified long-term recipient site, where they were released. No protected commensal species were recovered during the burrow excavations.

Longino Ranch Gopher Tortoise Mitigation Bank, Sarasota County, Florida: Environmental Project Director. Development of a 750 acres gopher tortoise recipient site. Tasks conducted included: agency coordination, marketing, habitat evaluation, gopher tortoise population survey, and permitting, and land management planning consisting of prescribed burning, roller chopping, and timber harvesting operations.

General Continuing Services, City of Lake Mary, Seminole County, Florida: Environmental Project Manager for review of Environmental Impact Assessment for development of a planned residential community in Lake Mary. Consultation regarding gopher tortoise, listed species, wetland impact and permitting issues.

Districtwide Environmental Consultant, FDOT District One, Florida: Environmental Project Manager for a five year contract to provided environmental services for FDOT District 1, as requested.

Public Works Yard, City of Maitland, Orange County, Florida: Environmental Project Manager for the Due Diligence and gopher tortoise survey associated construction of the City's Public Works and Fire Department buildings.

Disney's Saratoga Springs at Downtown Disney, Walt Disney Imagineering, Osceola County, Florida: Environmental Project Manager for a Threatened and Endangered Species survey, coordination with FFWCC and USFWS, gopher tortoise survey and relocation for the demolition of existing villas, re-design of resort community, and construction of 10 new resort villas.

Environmental Impact Assessment Review for the Fountain Park Development, Seminole County, Florida: Provided comments associated with the 145 acre residential subdivision related to listed species, wetlands and permitting. The development planned for construction of residential community, elementary school, parks, and associated infrastructure.

Trinity Preparatory School, Seminole County, Florida: Environmental Manager for permitting and design of wetland restoration site, permitting of site plan, agency coordination for eagles, and eagle nest monitoring on school property.

Lake Betty Office Park Due Diligence, Orange County, Florida: Performed initial environmental due diligence, including wetland assessments, listed species survey, agency coordination and conceptual permitting and mitigation plan.

School Board Bus Transit Facility Due Diligence, Volusia County, Florida: Environmental Manager. Performed initial environmental due diligence, including wetland assessment, listed species survey, agency coordination and conceptual permitting and mitigation plan for the development of a bus transit facility in Volusia County.

Douglas A. Skurski, PWS

Environmental Analysis and Permitting



Years of Experience

10 Total
8 With Firm

Professional Registration/Certification
Professional Wetland Scientist (PWS) No. 1719
Florida Fish and Wildlife Commission Authorized Gopher Tortoise Agent; GTA-09-0237A

Education
Master's of Science in Biology, University of Central Florida, 2005
Bachelor's of Science in Zoology; Washington State University, 1998

Professional Training
Wetland Plant Identification, Institute for Wetland and Environmental Education and Research, Inc., 2006
Uniform Mitigation Assessment Method, Field Workshop, Central Florida Association of Environmental Professionals, 2004

UMAM Technical Training, Southwest Florida Water Management District; 2003

Hydric Soils Workshop, Florida Association of Environmental Soil Scientists, 2001

Professional Affiliation
Society of Wetland Scientists
National Association of Environmental Professionals
Florida Association of Environmental Professionals
Central Florida Association of Environmental Professionals

Software Aptitude
ESRI ArcGIS 9.3
ESRI ArcPad 7.0.1
Autodesk Civil 3D
Corpscon
Garmin MapSource
XLSTAT 2008
SPSS 10.0
Trimble Terra Sync
Trimble GPS Correct 2.0

PROFESSIONAL PROFILE

Douglas A. Skurski, PWS is an Environmental Project Manager in DRMP's Ecological and Environmental Sciences Department. His responsibilities include wetland assessments, federal, state, and local permitting, protected species studies, GIS mapping and analyses, land use/cover classification and habitat evaluation, environmental impact mitigation, and staff coordination and management to accomplish environmental tasks. He has worked on numerous projects involving environmental management for both public and private clients.

Through continuing education and professional experience, Mr. Skurski has specialized in animal behavior and wildlife ecology. He is proficient in survey methodologies for many of Florida's listed species, and has developed extensive relationships with personnel from both state and federal wildlife agencies. His knowledge and expertise has proven invaluable to the wildlife permitting efforts of projects throughout the state.

RELEVANT PROJECT EXPERIENCE

Dunnellon Recreational Trail, FDEP, Citrus County, Florida: Environmental Project Manager. Delineated wetlands, consulted with FDEP for Wetlands, Threatened and Endangered species issues, performed environmental permitting with SWFWMD and ACOE, and wildlife coordination with FFWCC and USFWS for the construction of a recreational trail within the FDEP Cross Florida Greenway property.

Rodman Dam Campgrounds, FDEP, Putnam County, Florida: Environmental Project Manager. Performed wetland delineation, SJRWMD and ACOE coordination and environmental permitting, and wildlife coordination with FFWCC and USFWS for the construction of camping facilities along the Florida Barge Canal within the Rodman Dam recreational area.

Kenwood Boat Ramp, FDEP, Putnam County, Florida: Environmental Project Manager. Provided evaluation of wetlands and potential for protected wildlife species near an existing boat ramp for the purposes of improving the public recreational facilities. Provided environmental permitting with SJRWMD, and coordination with FFWCC and USFWS.

Lake Minnehaha Park Boardwalk, City of Maitland, Orange County, Florida: Environmental Scientist. Performed listed species survey and environmental permitting with FDEP for the construction of a boardwalk through forested wetlands within Minnehaha Park. Prepared onsite mitigation planting plan and conducted annual mitigation site inspections. Prepared onsite mitigation planting plan and conducted annual mitigation site inspections.

Grantham Point Bank Stabilization, City of Mount Dora, Lake County, Florida: Environmental Scientist. Prepared and submitted environmental permits to FDEP for the reconstruction and bank stabilization of Grantham Point at Lake Dora.

Cross Seminole Trail, Seminole County, Florida: Environmental Scientist. Performed wetland delineation, coordination with USFWS and FFWCC, Threatened and Endangered Species survey, gopher tortoise survey and permitting. Also performed SJRWMD/ACOE permitting for the construction of a 2.8 mile recreational trail within the vacated CSX railroad Right-of-Way. GPS coordinates of gopher tortoises and a bald eagle nest were imported into GIS and incorporated into design and permitting documents.

Cooter Pond Park, City of Inverness, Citrus County, Florida: Environmental Project Manager. Prepared SWFWMD Environmental Resource Permit (ERP) and FDEP Aquatic Plant Management permit for development of a city recreational park with a boardwalk pier over Cooter Pond. Mapped aquatic characteristics of pond in GIS, and calculated areas of noxious aquatic vegetation to be removed for pond beautification.

Titusville Area II, III, and IV Wetland Monitoring and Assessment, City of Titusville, Brevard County, Florida: Environmental Scientist. Designed vegetative monitoring plan and gathered baseline vegetative data for measuring impacts of consumptive use of groundwater for the installation of wells to draw from the groundwater in the Titusville area. GPS locations and attributes of wells and monitoring stations were managed in GIS, and integrated into well field analyses. Performed statistical analyses of collected data and preparation of annual monitoring report submitted to St. Johns River Water Management District (SJRWMD) in compliance with the City of Titusville's Consumptive Use Permit.

Lake John, City of Mount Dora, Lake County, Florida: Environmental Scientist for a stormwater improvement and ecological restoration project in an urban area. Prepared and secured the St. Johns River Water Management District Permit, developed a planting and monitoring plan for a six acre conservation easement created as mitigation for wetland impacts. Performed planting inspections during construction to assure conformity with permitted mitigation plans specifications for plant species, size, spacing, and elevation.

Longino Ranch Gopher Tortoise Recipient Site Relocations, Sarasota County, Florida: Environmental Scientist for a number of gopher tortoise relocation projects to this recipient site. Assisted in conducting excavations, relocations, visual health inspections, morphometric measurements and permanent markings of over 250 gopher tortoises accepted by the Longino Ranch recipient site.

Apalachicola – Corbin/Tucker Tract, FDEP, Calhoun County, Florida: Environmental Scientist. Project coordination and exhibit production for aerially interpreted land use delineations during the ecological baseline assessment of a property parcel under consideration for purchase and designation as a conservation easement.

Hammock Park Biological Assessment: City of Dunedin, Pinellas County, Florida: Environmental Scientist. Created FLUCFCS Maps through aerial photo interpretation for the Environmental Assessment of Hammock Park.

SR 520 54" Water Transmission Main, City of Cocoa, Brevard County, Florida: Environmental Scientist. Prepared and implemented a Bald Eagle Monitoring Plan during construction within proximity of active eagle nests. GPS coordinates of the bald eagle nests imported into GIS, protection zone buffers were offset from the nest locations, and enforcement of those protection zones was incorporated into design and permitting documents. Prepared an Environmental Resource Permit and US Coast Guard Bridge Permit for the construction and installation of a 54" potable water transmission main within FDOT Right-of-Way along SR 520. Coordination with SJRWMD, Army Corps of Engineers (ACOE), United States Fish and Wildlife Service (USFWS), Florida Fish and Wildlife Conservation Commission (FFWCC), US Coast Guard, Florida Department of Environmental Protection (FDEP), and Orange County.

Ohio Avenue Outfall Ditch Channel Stabilization, FDOT District Five, Osceola County, Florida: Environmental Scientist. Coordinated with SFWMD and prepared an Environmental Resource Permit for the stabilization of the outfall ditch with fabric-formed riprap.

Public Works Yard, City of Maitland, Orange County, Florida: Environmental Scientist. Performed gopher tortoise survey for the construction of Public Works and Fire Department buildings.

School Board Bus Transit Facility, Volusia County, Florida: Environmental Project Manager. Performed initial environmental due diligence, including wetland assessment and listed species survey, and prepared SJRWMD and ACOE environmental permits for the development of a bus transit facility.

Disney's Saratoga Springs at Downtown Disney, Walt Disney Imagineering, Orange County, Florida: Environmental Scientist. Performed a Threatened and Endangered Species survey, coordination with FFWCC and USFWS, gopher tortoise survey and offsite tortoise relocation for the demolition of existing villas, re-design of resort community, and construction of 10 new resort villas. GPS coordinates gopher tortoises were imported into GIS and incorporated into design and permitting documents.

Florida Hospital DRI, Florida Hospital, Orange County, Florida: Environmental Scientist for a development of regional impact (DRI) review. Prepared survey methodologies, GIS data query and mapping, GIS data query and mapping, provided environmental documentation including wildlife and wetland survey results, and historical tree survey information within the project limits.

Trinity Preparatory School, Seminole County, Florida: Environmental Scientist. Coordinated with USFWS, FFWCC, and Seminole County Environmental for bald eagle issues. Modified existing ERP to accommodate school expansion. Permitted recreational boardwalk through wetlands.

Palisades Phase III Subdivision, Canam Palisades, Lake County, Florida: Environmental Project Manager. Established and permitted formal wetland delineation with SJRWMD, performed a listed species survey, wetland analysis for elimination and reduction of impacts, and prepared required permitting with SJRWMD, ACOE, and Lake County for the development of the third phase of a residential subdivision and golf course.

Northridge Meadows, Morrison Homes, Seminole County, Florida: Environmental Project Manager. Prepared Conceptual ERP and developed mitigation plan for multi-family townhouse/commercial parcel mixed development. Established jurisdictional wetland line and performed listed species surveys and agency coordination. Coordination with FFWCC for black bear and sandhill crane habitat impacts. Mitigation included preservation of wildlife corridor plus mitigation banking.

Prescott Landing, Brooksville Associates, Hernando County, Florida: Environmental Project Manager. Performed a due diligence evaluation of wetlands on a property slated for development and performed a protected species survey to identify the potential occurrence of protected wildlife species. Established and permitted formal wetland delineation with SWFWMD. Permitted proposed multi-family housing development with SWFWMD, including design of approximately 11 acres of onsite forested wetland creation to offset wetland impacts associated with site development.

Jocelyn M. Haisch-Linn, PE

Structures



Years of Experience

11 Total
6 With Firm

Professional Registration

Professional Engineer
No. 60103, Florida, 2003

Education

Master's of Science in Civil
Engineering, Iowa State
University, 1999

Bachelor's of Science in
Physics, South Dakota
School of Mines &
Technology, 1995

Professional Affiliation

American Society of Civil
Engineers

Software Aptitude

MicroStation
GEOPAK
RCPier
MathCAD
FDOT LRFID Prestressed
Beam
FDOT Drilled Shaft Design
FDOT Span Overhead Sign
Program
FDOT Mast Arm Program
FDOT Biaxial Column
FDOT Cantilever Overhead
Sign Program
ATLAS
FDOT High Mast Light Pole
Program
FDOT Strain Pole Program
FDOT LRFID Box Culvert
Program

Awards

Florida APWA Project of the
Year - I-4 Pedestrian
Overpass

McGraw Hill Southeast
Construction Magazine Best
of 2003 Award of Excellence
- I-4 Pedestrian Overpass

Associated General
Contractors of Central
Florida Build Central Florida
Award - I-4 Pedestrian
Overpass

PROFESSIONAL PROFILE

Jocelyn M. Haisch-Linn, PE is a Project Manager in the Structures Department. Design assignments have included AASHTO girder bridges, minor bridge widenings, and pedestrian bridges. Other assignments have included pier protection analysis, overhead sign structure design, cantilever sign structure design, bridge-mounted sign design, barrier mounted sign design, mast arm pole design, strain pole design, ITS pole design, high mast and standard light pole special foundation design, shop drawing review, wall design, and railroad coordination.

RELEVANT PROJECT EXPERIENCE

Cross Seminole Trail SR 434 Overpass, Seminole County, Florida: Design Engineer responsible for design and plans preparation of an 880 foot long multi-use trail bridge including approach ramps. The main portion of the bridge is comprised of three spans of simply supported Florida U-Beams having lengths of 88, 138, and 88 feet to support a cast-in-place composite deck. The main span substructures are comprised of decorative arch shaped cast-in-place concrete piers supported on spread footings. Façade panels were used to produce architectural cladding on the sides of piers and at ramp landing locations. The project was a design-build contract done in conjunction with Jones Brothers Construction Company and included construction quality control services.

Seminole Wekiva Trail SR-434 Pedestrian Underpass, Seminole County, Florida: Project Engineer responsible for design and plans preparation of a 255 foot cut-and-cover tunnel used to provide a multi-use trail crossing under State Road 434. The trail passes under the SR 434 roadway at a 55 degree skew to the highway alignment. Based on the skewed trail alignment, custom skewed precast tunnel components were designed such that they were consistent with multiple phases of construction. Tunnel components were designed using finite element modeling to evaluate complex bending effects imposed on the box components as a result of applicable load combinations and the skewed geometry.

Lake Mary Boulevard Pedestrian Bridges, Seminole County, Florida: Project Engineer responsible for the design and plans production of two pedestrian bridges spanning Lake Mary Boulevard. Each of the bridges' main span superstructures crossing Lake Mary Boulevard consists of a single 153 foot span comprised of two custom L-shaped prestressed beams. The main span beams were designed such that the deck slab is supported on the bottom flange of the beams. The ramps are composed prestressed slabs and precast pier caps supported by cast-in-place columns and footing caps. The foundations are made up of a combination of pile supported footings in pond locations and shallow spread footings at the remaining locations.

I-4 Pedestrian Overpass, Seminole County, Florida: Design Engineer for a 1000 foot long multi-use trail bridge including approach ramps and a cable supported main span of 373 feet over Interstate-4. The main span consists of a steel frame superstructure supported by stay cables anchored into 95 foot cast-in-place pylons on each side of Interstate-4. The forces of the main span stay cables are resisted by stay cables attached at the top of each pylon in the back spans and anchored into a three million pound reaction box on each side of the main span of the bridge. Each reaction box is comprised of a soil filled cast-in-place concrete structure having a length of 65 feet, a width of 18 feet, and a depth of 22 feet serving as the trail deck surface at each location. Specifically responsible for the design and plans production of the main span stay pylons and reaction boxes, including the steel components. Also responsible for the design and plans production of soil filled cast-in-place concrete structures which served as the landing deck surface at corners in the ramp. The project was a design-build contract done in conjunction with Martin K. Eby Construction Company and included construction quality control services.

Turnpike Systemwide Bridge Pier Protection Program, Florida's Turnpike Enterprise, Various Counties, Florida: Project Manager and Engineer of Record for a project responsible for evaluating all bridges over facilities owned by Turnpike Enterprise to determine whether the bridge columns are capable of withstanding the LRFID 400 kip impact force and whether the bridge site meets the requirements of Roadway Design Bulletin 06-10. Responsible for coordinating field data collection at 116 bridge sites. Also responsible for analyzing field data, providing shear analysis, and making pier protection recommendations at 207 bridge sites.

SunNav Intelligent Transportation System (ITS) Dynamic Message Sign Project – SR 91/SR 821, Florida's Turnpike Enterprise, Various Counties, Florida: Project Engineer and Engineer of Record for 32 cantilever sign structures, six overhead sign structures, and four ITS strain poles used for mounting traffic data collectors. Concrete pads, some of which are supported by gravity walls, were provided at twenty-five sign structure locations. Responsible for all major design decisions, design of all strain poles, design of all concrete pads, and plans preparation. Provided QA and QC and shop drawing review for the design of six overhead sign structures and thirty-two cantilever sign structures.

SunNav Intelligent Transportation System (ITS) West Florida ITS Improvements Project, Florida's Turnpike Enterprise, Polk County, Florida: Project Engineer and Engineer of Record responsible for design of four overhead sign structures, eight ITS strain pole designs used for mounting traffic data collectors, and plans preparation. Responsible for design of concrete pads, one of which is supported by gravity walls, at four sign structure locations. Also, responsible for shop drawing review.

Lake Jesup Toll Plaza ORT Conversion (SR 417), Florida's Turnpike Enterprise, Seminole County, Florida: Project Manager for Post-Design Services, and Structures Project Manager and Engineer of Record responsible for the design of two MSE retaining walls, three special foundations for standard light poles, five overhead sign structures, a barrier wall mounted sign, and two ITS strain pole designs used for mounting traffic data collectors.

SR 15, FDOT District Five, Orange County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a five thousand foot long box culvert, two standard mast arms, and three single-span strain pole systems utilizing two point attachments to the strain poles.

SR 228, FDOT District Two, Duval County, Florida: Structures Project Manager and Engineer of Record responsible for the design of sixteen box culvert extensions to nine box culverts, including two bridge box culverts.

SR 25, FDOT District Four, Broward County, Florida: Structures Project Manager and Engineer of Record responsible for the design and fatigue analysis of two special mast arms to support school zone signs.

SR 838 at Northwest 24th Avenue, FDOT District Four, Broward County, Florida: Structures Project Manager and Engineer of Record responsible for the design and fatigue analysis of one special mast arm to support school zone signs.

SR 152 (Baymeadows Road), FDOT District Two, Duval County, Florida: Structures Project Manager and Engineer of Record responsible for the design of nineteen standard mast arms and two special mast arms.

SR 111 (Edgewood Avenue), FDOT District Two, Duval County, Florida: Structures Project Manager and Engineer of Record responsible for the design of twenty-five standard mast arms.

SR 546, FDOT District One, Polk County, Florida: Structures Project Manager and Engineer of Record responsible for analysis of 18 existing mast arms and one existing suspended box strain pole system to determine structural adequacy under proposed loading.

SR 715, FDOT District Four, Palm Beach County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a box strain pole system utilizing single point attachments to the strain poles.

Kingsfield Road at South Highway 95A, Escambia County Miscellaneous Traffic Signals Project, Escambia County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a box strain pole system utilizing single point attachments to the strain poles.

SR 500, FDOT District Five, Lake County, Florida: Structures Project Manager and Engineer of Record responsible for the design of a two box strain pole systems and one three-sided strain pole system utilizing two point attachments to the strain poles.

SR 736 (Davie Boulevard) at SW 15th Avenue, FDOT District Four, Broward County, Florida: Project Engineer responsible for the design of a box strain pole system. The existing box strain pole system was being re-designed due to the addition of a right turn lane. The new design utilized two new strain poles and the two remaining existing strain poles were fitted with guy wires.

SR 528, Beachline Widening Project, Florida's Turnpike Enterprise, Orange County, Florida: Served as Assistant Project Manager during post design phase responsible for leading the structural post design activities and shop drawing reviews. Served as Project Engineer for structural improvements along this toll facility. This project involves the widening of an 8.4 mile segment of the Beachline from a 4-lane to a 6-lane section. Responsible for the design and plans preparation of three bridge sites. The first bridge site consisted of widening two skewed bridges spanning a CSX railroad. One of these bridges also has a variable width. These bridges utilized AASHTO prestressed beams and prestressed concrete pile bents. The second bridge site consisted of a skewed and curved bridge spanning a CSX railroad. This bridge also utilized AASHTO prestressed beams and prestressed concrete pile bents. The final bridge site consisted of widening two bridges with a total of four different skew angles and fifteen spans over a ten-track CSX railroad yard. These bridges utilized both custom and standard AASHTO prestressed beams and concrete pile bents. One of these bridges also incorporated the design of a straddle bent. Determined wall geometry for MSE, sheet pile, and crash walls. Also assisted in railroad coordination to limit impact to CSX Transportation during construction.

Peeter Mannik, PE

Structures



Years of Experience

53 Total
18 With Firm

Professional Registration

Professional Engineer No.
39860, Florida

Professional Engineer No.
16614, Alabama

Professional Engineer No.
20536, Colorado

Professional Engineer No.
17236, Georgia

Professional Engineer No.
14745, North Carolina

Professional Engineer No.
12382, South Carolina

Professional Engineer No.
28823, Ohio

Education

Bachelor's of Science in Civil
Engineering, Ohio Northern
University, 1956

Professional Affiliation

National Society of
Professional Engineers
Florida Engineering Society
American Society of Civil
Engineers

American Concrete Institute
Prestressed Concrete
Institute

PROFESSIONAL PROFILE

Peeter Mannik, PE is a Senior Project Manager of DRMP's Structure Group and is currently responsible for toll plaza structural design, reviewing bridge designs and performing structural engineering of special projects for the theme parks. During his career span, his experience has encompassed wide and varied structural engineering assignments in the private and public sectors involving many varying degrees of complexity.

His experience in transportation engineering includes design, checking and reviewing of bridge design plans varying from single span bridges to complex curved structures and field construction management. Other experience includes: toll plaza design, highway design; location and cost studies for engineering reports; design of retaining walls, concrete box and arch culverts; and miscellaneous drainage structures. Also, he has performed construction inspection on numerous building projects including pile and caisson foundation installations, reinforcing and post-tensioning steel placement, structural steel erection and concrete placement.

RELEVANT PROJECT EXPERIENCE

Ivey Road Pedestrian Overpass, FDOT District Two, Florida: Responsible for checking the design and plans for this 200 foot truss span. The truss utilizes square and rectangular HSS Tubes with partial penetration welds.

SR 414/Maitland Boulevard Extension Mainline Toll Plaza, Orlando-Orange County Expressway Authority, Orange County, Florida: Plans preparation for new mainline toll plaza with express tolling lanes. Also, included are four new ramp toll plazas.

SR 417/Seminole Expressway, Lake Jessup Toll Plaza Open Road Tolling Conversion, Florida's Turnpike Enterprise, Seminole County, Florida: Conversion of existing mainline toll plaza to an express tolling facility.

SR 417/University Boulevard Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility.

SR 408/Dean Road Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: project consisted of converting existing toll facility to express tolling facility with expansions required at Rouse Road Ramp Plazas.

SR 417/Curry Ford Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility.

SR 408/Holland West Mainline Toll Plaza Replacement, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility. Also included are new toll plazas at Ortman Drive on-ramp, Old Winter Garden Road off-ramp, John Young Parkway on and off-ramps, and modifications of Orange Blossom Trail on and off-ramps.

SR 408/Holland East Mainline Toll Plaza Replacement, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility. Also included are new S.R. 436 eastbound exit ramp and modification of S.R. 436 off-ramp and Yucatan Drive on-ramp.

SR 528/Beachline Mainline Toll Plaza Conversion, Orlando-Orange County Expressway Authority, Orange County, Florida: Conversion of existing toll plaza facility to an express tolling facility.

I-75 Widening, FDOT District Five, Marion County, Florida: Project Manager and Engineer of Record for bridge widenings and replacements at six sites. All bridges utilized AASHTO prestressed beams

and substructures on prestressed concrete piles. Provided QA and QC for the design and plans preparation for these bridges.

US 1 Bridge Safety Improvements, FDOT District Two, Duval and Nassau, Counties, Florida: Project Manager and Engineer of Record for bridge widenings and replacements of 14 bridges. All bridges were stream crossings utilizing cast-in-place slab superstructures and prestressed concrete pile bent substructures. Provided QA and QC for the design and plans preparation for these bridges.

Osceola Parkway, Osceola County, Florida: New limited access roadway with three bridge sites. All bridges utilized AASHTO prestressed beams and end bents with MSE walls. Provided QA and QC for the design and plans preparation for these bridges.

Orchard Avenue over Little Dry Creek, Denver, Colorado: Project Engineer responsible for design and plans preparation for this two span bridge with prestressed concrete double-tee superstructure, concrete stub abutments and wall-type pier.

R&F Coal Company Haul Road over County Road, Belmont County, Ohio: Project Engineer responsible for design and plans checking for this three span bridge with prestressed concrete box beam superstructure with heavy timber wearing deck designed for 100 ton capacity off-road haul trucks. Substructure used capped steel pile abutments and piers.

Second Level Walkway System, Cincinnati, Ohio: Project Engineer responsible for design and plans preparation for this complex system of continuous and single span post-tensioned concrete beams and slabs with spans up to 100 feet. Substructure consisted of concrete bents, cantilevered frames, T-type piers and adjacent building frames.

Pedestrian Bridges at River Dormitories, Ohio State University, Columbia, Ohio: Project Engineer responsible for design and plans preparation for single span bridges with curved post-tensioned concrete girders and concrete deck. Substructures were concrete stub abutments, pedestal type piers and building frame.

SR 429 over SR 530 (Dual Bridges), Florida's Turnpike Enterprise, Orange County, Florida: Responsible for checking the design and plans for these single span superstructures with welded plate girders and concrete deck.

SR 414, Maitland Boulevard Extension, Orange and Seminole Counties, FDOT District Five: Project Manager and Engineer of Record for two bridge sites. Bridges utilized AASHTO prestressed beams, Florida Bulb-Tees and a 210 foot steel plate girder span. Substructure used prestressed concrete and steel pipe pile bents. Provided QA and QC for the design and plans preparation for these bridges. Also responsible for checking the design and plans for the 210 foot steel plate girder span.

Lakeland In-Town Bypass, City of Lakeland, Lake County, Florida: Responsible for checking the design and plans preparation for a continuous steel plate girder bridge superstructure with span of 240 feet, 178 feet and 156 feet.

A. Max Brewer Bridge Replacement Design Build, FDOT District Five, Brevard County, Florida: Mr. Mannik served as the Chief Structural Engineer and performed all the post tension calculations and design for this three span continuous post tensioned superstructure. Project involves construction of a new 3,207-foot high level bridge over the Indian River and the Intracoastal Waterway to replace an existing swing span bridge. The new Max Brewer Bridge is comprised of a total of 22 spans including a three-span spliced continuous modified Florida bulb-tee beam superstructure over the navigation channel. The three span channel unit is comprised of spans having lengths 170'-221'-170' respectively providing 65-feet of vertical clearance over the Intracoastal Waterway. The approach spans are simply supported all having a lengths of 147' each comprised of 78 inch Florida bulb-tee beams. Foundations for the bridge consist of single column hammer head style piers supported by precast concrete piling ranging in size from 24-inch square to 36-inch square. Foundations in the waterway were designed to resisted vessel impact forces in accordance with LRFD requirements.

SR 528 over CSX Railroad Yard, Florida's Turnpike Enterprise, Orange County, Florida: Project Engineer for the design of a reinforced concrete straddle bent over railroad tracks to support the existing bridge widening. Due to the physical constraints and Railroad requirements to maintain traffic on these tracks, a unique solution was required. Several options were considered and the one selected for final design utilized cast-in-place concrete frame using stay-in-place steel form capable of spanning the railroad tracks without any shoring. Also a finite element analysis was used to check the stiffened beam seats of the steel form.

R&F Coal Company, Rail Dump Reclaim Tunnel, Belmont County, Ohio: Responsible for checking the design and plans for this tunnel constructed under railroad tracks. Additional design and construction concern was the presence of high water table. At the lowest point the top of tunnel was 40' below finished grade.

Jeffrey R. Lance, PSM

Survey



Years of Experience

19 Total
8 With Firm

Professional Registration
Professional Surveyor and
Mapper, No. LS5657, Florida,
1996

Education
Bachelor's of Science in
Surveying and Mapping,
University of Florida, 1990

Professional Affiliation
Florida GPS Users Group
Florida Surveying and
Mapping Society
American Congress on
Surveying and Mapping

Software Aptitude
AutoCAD
CAICE
GPSurvey
Trimble Geomatics Office
Pathfinder Pro
EFBP
Vector
Ski, Ski-Pro

PROFESSIONAL PROFILE

Jeffrey R. Lance, PSM serves as DRMP's Survey Office Manager for the Chipley office. In addition, he is responsible for the management of all FDOT District Three survey services and continues to support the firm, statewide, with geodetic surveying support and training.

Mr. Lance has extensive expertise in providing government agencies and private sector clients with specialized surveying and mapping. His experience includes Geodetic Surveying, specializing in Global Positioning System (GPS) applications and network adjustment, including Precise Leveling, automated Hydrographic surveying, Geographic Information System (GIS) applications, and traditional land surveying. His GPS experience has involved all phases of the system and has ranged from small-scale photogrammetric control projects to county and statewide control densification projects.

RELEVANT PROJECT EXPERIENCE

Ocala/Wekiva Central, Florida Department of Environmental Protection, Lake County, Florida: Established over 50 stations to support 50+ square miles south of the Ocala National Forest supporting various independent boundary surveys.

Etoniah Creek, Florida Department of Environmental Protection, Putnam County, Florida: Control establishment to support traditional survey services within a 23,000-acre area. Project Manager of land acquisition boundary survey of the entire site.

Osceola Pine Savannas, Florida Department of Environmental Protection, Osceola County, Florida: Established over 60 stations to support land acquisition surveys between US 192 and SR 60 east of US 441.

Rails to Trails Projects, Florida Department of Environmental Protection-Division of Greenways and Trails, Orange, Seminole, Lake, Volusia, Columbia, Union, Bradford, and Putnam Counties, Florida: Performed Geodetic Control Surveys to support linear corridor surveys for the reclamation of abandoned rail lines to scenic bike/hiking/equestrian trails. A notable project was the 48-mile Palatka to Lake Butler R-T project. This corridor spanned five counties (Columbia, Union, Bradford, Clay, and Putnam) and two State Plane Zones in northern Florida. Over 60 geodetic control stations were established to support the subsequent boundary survey of one of the longest R-T projects in the state. Also performed boundary survey for the 48-mile railroad corridor.

Geodetic Control Densification of the Lake Apopka Restoration Project, St. Johns Water Management District, Lake and Orange Counties, Florida: Project Manager for this project that involved an aggressive land acquisition project aimed at removing "muck" farming from the Lake Apopka watershed. Provided a homogeneous geodetic control network for several survey consultants associated with performing traditional and GPS survey services.

Geodetic Control Densification Project, Marion County, Florida: Assisted in performing post-processed kinematic control surveys for inclusion to the County-wide network.

Lake Poinsett Ordinary High Water Line Survey, Orange, Osceola, and Brevard Counties, Florida: Project Surveyor involved in GPS control establishment for horizontal and vertical control. Prepared an Ordinary High Water Line survey.

Tapestry Park, Mark Tanney, Bay County, Florida: Project Manager and Lead Civil Engineer involved in the planning, surveying, permitting, engineering design, development and construction inspection of this 57± acre Neighborhood with residential and mixed use development for one of the first Neo-Traditional communities in the Florida panhandle. Working with the developer, a master plan was created for Tapestry Park that includes planning the roadways, utilities and stormwater management systems to allow for this project to be constructed in Phases. The design includes multiple lift stations and a 1500 lineal foot extension of the 12" sanitary force main to the Panama City Beach sewer system.

Breakfast Point Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 1473-acre, \$500,000 boundary, topographic, and wetland survey to support site development in Panama City Beach. This project included the sectional retracement of three sections, analysis of title commitment,

boundary survey, high and low quality jurisdictional wetland location of over 16,000 points, and a topographic survey of the entire acreage. Subsequent work included the preparation of legal description for an annexation parcel, boundary surveys of internal parcels for commercial and residential development, and the staking of roadway alignments.

Boggy Creek Survey, The St. Joe Company, Bay County, Florida: Project Manager for the 900-acre gross land area, \$450,000 boundary, topographic, and wetland survey to support future site development in Callaway. This project involved a Mean High Water Line determination prepared to FDEP specifications. Involved the sectional retracement of three sections, the staking of the Mean High Water Line at previously determined elevation and newly determined elevation.

Intracoastal Waterway Mapping Project, The St. Joe Company, Gulf, Bay and Walton Counties, Florida: This survey extended from Choctawhatchee Bay in Walton County to Lake Wimico in Gulf County. The project area also included the Gulf County canal from Port St. Joe north to the Intracoastal Waterway. This project was performed to map the locations of St. Joe ownership adjacent to the Waterway throughout the length of the canals. Of importance was the contiguity of Joe ownership and the identification of gores, gaps, overlaps, hiatus' of descriptions, and of non-Joe ownership – mostly Federal lands used for spoil sites. A field survey was performed with GPS to geo-reference selected section corners and to refine the mapping product ESRI shapefile conversions. The products were delivered as an ESRI ArcGIS 9.2 product.

Pine Log State Forest Survey, FDOT\FDEP, Bay County, Florida: Multiple boundary surveys of over 120 acres were prepared for wetlands mitigation as part of the SR 79 expansion project. Boundary lines were marked per Division of Forestry specifications. Survey included sectional ties and roadway alignment determination.

Telogia Run, The St. Joe Company, Liberty and Gadsden Counties, Florida: Manager overseeing boundary survey for the 26,700 acre area west of Tallahassee. Task items included geodetic survey, sectional surveys, gps and conventional topographic ties, location of Telogia Creek, and a Right-of-Way survey for the Florida Gas Transmission Company pipeline.

ACCL/Bay Properties, Jim Anders– Developer, Bay County, Florida: 108 acre boundary survey with wetland locations prepared to facilitate future development. Included coordination with Gulf Power and Florida Gas Transmission Company to accurately depict Rights-of-Way within the project site.

District Wide Miscellaneous Safety Contract, FDOT District Three, Florida: Provided surveying services for a variety of safety projects throughout the District. These projects included, turn lane additions, signalization, drainage, sidewalks and lighting. Specific survey services included: horizontal and vertical control, alignment determination, dtm topography, location of utilities, and cross-sections.

- CR 179A, Holmes County, Florida
- SR 8 at CR 191, Santa Rosa County, Florida
- SR 267 at SR 369, Wakulla County, Florida
- SR 292 at Waycross, Escambia County, Florida
- SR 173 at Bellview, Escambia County, Florida
- SR 8 at SR 89, Santa Rosa County, Florida
- SR 8 at CR 257, Jefferson County, Florida
- SR 30A at Clara Avenue, Bay County, Florida
- SR 30A at Lyndell Lane, Bay County, Florida

SR 10 (US 90) Yellow River Bridge, FDOT District Three, Okaloosa County, Florida: Survey manager responsible for design survey including a channel survey for bridge replacement, alignment re-establishment, utilities location and VVH.

SR 95 (US 29), FDOT District Three, Escambia County, Florida: Survey manager for the 2.5 mile Multilane Reconstruction project. Survey tasks included a full DTM including off-site drainage and conveyances, sectional survey, utilities designating and VVH, and a control survey.

SR 83 (US 331), Walton County in cooperation with FDOT District Three, Florida: Survey manager responsible for full design survey and DTM, wetlands, pond sites, and a control survey along the 4.8 mile corridor.

SR 10 (US 90), FDOT District Three, Jackson County, Florida: Survey Manager for the one-mile long corridor in the Town of Sneads, RRR survey consisting of alignment determination, cross-sections, 2D and 3D topography, and utilities location.

SR 298 (Lillian Hwy), FDOT District Three, Escambia County, Florida: Survey manager for the 3-mile corridor for RRR survey. Included alignment determination, cross-sections, 2d topography, and utilities location.

SR 8/SR 8A (I-10/I-110) Monumentation, FDOT District Three, Escambia County, Florida: Survey Manager responsible for the post-construction monumentation effort of both Interstate corridors and selected side streets: SR 727 (Fairfield Blvd), SR 291 (Davis Hwy), Airport Blvd., and SR 742 (Creighton Road).



**J. David Malcolm,
ASLA**

**Principal/Vice President
Wood+Partners Inc.**

David Malcolm is a Principal and Vice President at Wood+Partners experienced in landscape architecture and land planning for a variety of project types, including parks and recreation, resorts, urban design, livable communities, institutional, commercial and residential design. His primary focus is park and recreation planning and design in coastal regions and throughout the Southeast. He has extensive project experience, including regional sports complexes, university athletic complexes, recreation needs assessments, greenways and trails. His experience also entails master planning and design development, public presentations, design workshops, municipal plan approvals and permitting, stormwater management, feasibility analysis, cost estimating and construction documentation and observation.

Education

Bachelor of Landscape Architecture, Virginia Tech, 1995

Professional Registration

Registered Landscape Architect – FL #6666821, NC #0969

**Appointments and
Professional Affiliations**

- Member, American Society of Landscape Architects (ASLA)
- Member, Florida Recreation & Park Association (FRPA)
- Member, Urban Land Institute
- Member, American Institute of Architects, FL Chapter
- Government Affairs Committee - Florida Chapter of ASLA
- Urban Design Commission (UDC) - City of Tallahassee
- Los Robles Green Architecture Review Board
- Board Member - Keep Tallahassee / Leon County Green
- SCASLA Executive Committee, 2001-2005
- Juror, Clemson University Student Awards, 2002, 2004 & 2005

Significant Projects

With WPI and
In Prior Association*

- Freeport, FL Community Park
- Florida State University Intramural Sports Complex, Tallahassee, FL
- Fallschase, Tallahassee, FL
- Bull Run, Tallahassee, FL
- HOPE Community, Tallahassee, FL
- Evening Rose, Tallahassee, FL
- Cypress Mill, Perry, FL
- Andiron Woods, Leon County, FL
- Buckwalter Community Park, Bluffton, SC
- Shults Park, Bluffton, SC
- Bluffton Oyster Factory Park, Bluffton, SC
- Duke Power State Park, Iredell County, NC*
- Crowder's Mt. State Park, Gastonia, NC*
- Clayton, NC Community Park*
- Falls Lake Nature Trail, Wake Forest, NC*
- Bethesda Park, Durham, NC
- West Neck Creek District Park, Virginia Beach, VA*
- Warrenton Branch Rails-to-Trails Park, Warrenton, VA*
- Hike and Bike Trail, Lynchburg, VA*
- Linear Rail Walk, Roanoke, VA*
- City of Columbia Recreation Needs Assessment, Columbia, SC
- Hilton Head Island, SC Recreation & Open Space Plan
- Dare County, NC Recreation Needs Assessment
- Chatham County, NC Comprehensive Parks and Recreation Master Plan*
- Clayton, NC Comprehensive Parks and Recreation Master Plan*
- Town of Garner, NC Parks and Recreation Needs Assessment*
- Carteret County Parks and Recreation Master Plan, Town of Beaufort, NC*
- City of Thomasville, NC Parks and Recreation Master Plan*
- Town of Knightdale, NC Environmental Park*
- Lake Thom-A-Lex Recreation Master Plan, Davidson County, NC*
- Union County, SC Community Recreation Complex Master Plan*
- UNCG Baseball Stadium & Student Recreation Complex, Greensboro, NC*
- Sandy Creek Environmental Learning Center, Durham, NC*
- Coastal Discovery Museum Master Plan, Hilton Head Island, SC

Awards

- Marriott's SurfWatch – 2008 Tri-State Merit Award
- Port of Port Royal Land Use Plan – 2007 SCASLA Honor Award
- West Washington Street Redevelopment & Streetscape – 2007 SCASLA Merit Award
- Lake Oconee Village Design Guidelines – 2005 SCASLA Honor Award for Planning
- Savannah Harbor Resort – 2001 SCASLA Merit Award for Planning
- Coastal Discovery Museum, Hilton Head Island, SC – 2001 SCASLA Honor Award

**Sessions Presented at
Conferences**

- 2010 FRPA Northern Region Meeting – "Sustainable Sites Initiative"
- 2007 FRPA – "Planning Parks to Maximize Revenue"
- 2003 NRPA Southeast Region Conference, Birmingham, AL – "Funding Strategies for Today's Recreation Providers"
- 2002 NCRPS Conference, Greensboro, NC – "Essential Elements of Modern Park Design"
- 2001 NCRPS Conference, New Bern, NC – "Park & Facility Master Planning"



Kristen M. Mansfield
ASLA / LEED® AP
Project Manager
Wood+Partners Inc.

Kristen Mansfield is a Project Manager at Wood+Partners specializing in urban redevelopment and streetscape design, recreation planning and park design, intramural sports complexes for colleges and universities, and resort and community planning throughout the Southeast. Her experience includes community and regional parks, urban redevelopment and streetscape design, resort master planning, community master planning and envisioning, pattern books, construction documents and cost estimating, with proficiency in AutoCAD, ArcView GIS, Photoshop, Illustrator, and InDesign software.

Education

Ball State University, Muncie, Indiana – 2004 (Cum Laude)
 Bachelor of Landscape Architecture

Professional Registration

- U.S. Green Building Council LEED® Accredited Professional

Appointments and Professional Affiliations

- Member, Florida Recreation & Park Association
- Member, American Society of Landscape Architects (ASLA)
- Member, Urban Land Institute, Young Leader
- Member, United States Green Building Council, Florida Capital Region Chapter
- Sigma Lambda Alpha: Landscape Architecture Honor Society

Significant Projects

- Historic Fourth Ward Park, Atlanta, GA
- Florida State University Intramural Sports Complex, Tallahassee, FL
- Tallahassee Trails, Tallahassee, FL
- Bethesda Park, Durham, NC
- Walltown Park, Durham, NC
- Buckwalter Community Park, Bluffton, SC
- West Washington Street Downtown Redevelopment Master Plan & Streetscape, Greenville, SC
- Evening Rose Community & Commercial Village, Tallahassee, FL
- Bailey's Mill Community Master Plan, Tallahassee, FL
- Rice Hope Community Amenities Planning, Port Wentworth, GA
- Kings Ridge Equestrian Community, Aiken, SC
- Marriott's SurfWatch, Hilton Head Island, SC
- Bluewater Resort and Marina, Hilton Head Island, SC
- Capital City Country Club and Condominium Development, Tallahassee, FL
- SouthShore Phase IV Condominiums, Hilton Head Island, SC
- Alafia Trails Conceptual Master Plan/Community Envisioning, Tampa, FL
- Town of SaltAire Community Master Plan, Mobile, AL
- Fallschase Community, Tallahassee, FL

Conferences and Speaking Engagements

- 2010 FRPA Northern Region Meeting – "Sustainable Sites Initiative"
- 2009 FRPA Director's Summit – "Leadership in Energy & Environmental Design"
- 2007 FRPA Southern Region
- 2006 PSMJ Project Management Bootcamp, Orlando, FL
- 2003 ASLA Annual Meeting and Expo, New Orleans, LA – "Fusion of Culture and Place"

Awards

- Marriott's SurfWatch – 2008 Tri-State Merit Award
- West Washington Street Redevelopment & Streetscape – 2007 SCASLA Merit Award

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Myron L. Hayden, Ph.D., P.E.

Geotechnical Engineering

Professional Credentials

Bachelor of Science, Civil Engineering, Tri-State University, 1974
Master of Science, Civil Engineering, Oklahoma State University, 1975
Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past Vice-President of North Florida Section, Past President of Tallahassee Chapter, Engineer of the Year of Tallahassee Branch
Florida Engineering Society, Past Vice-President of North Florida Region, Past President of Big Bend Chapter, Elected Fellow, Past Engineer of the Year of Big Bend Chapter
American Society of Transportation Engineers
American Public Works Association
National Society of Professional Engineers
Transportation Research Board (National Academy of Sciences), Past National Committee Chairman
Florida A&M University / Florida State University, Chairman of Civil Engineering Advisory Committee
Leon County Board of County Commissioners, Served on Science Advisory Committee

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques
- Familiar with Bridge Scour Investigation and Studies
- Familiar with Non-Destructive Testing for Unknown Foundations Subjected to Scour

Years Experience with EGS: 20

Years Experience with Other Firms: 18

Relevant Experience

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District III – Provides miscellaneous services to the Florida Department of Transportation under a Continuing Geotechnical Services Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

**EGS ENVIRONMENTAL &
GEOTECHNICAL SPECIALISTS, INC.**

Myron L. Hayden, Ph.D., P.E.

SR 79, FDOT District III, Washington County, FL (FDOT FPN: 220773-7-52-01) – This project consisted of the reconstruction and multilane widening of SR 79 from a 2 lane rural roadway to a 4 lane divided highway. The geotechnical studies included roadway investigation, pavement design, evaluation of areas of significant cut and fill, culvert extensions for stormwater management facilities, areas of unsuitable subsoils, and construction considerations.

369 (Crawfordville Highway) Roadway Reconstruction from the Wakulla County Line top L.L. Wallace Road, FDOT District III, Leon County, FL (FDOT FPN 219881-1-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. The Geotechnical investigation also included slope stability analysis of high embankment areas.

SR 30 (US 98) Bridge Replacement over the Aucilla River, FDOT District II, Taylor County, FL (FDOT FPN 210873-2-52-01) – This project consisted of conducting the geotechnical studies for the design of a new bridge over the Aucilla River and reconstruction of approach roadways. The investigation included the analysis of subsoils for roadway reconstruction, culverts, MSE retaining walls, and stormwater management facilities. The Bridge investigation included coring the existing rock to evaluate constructability of the drilled shaft foundations. In addition, an additional study was undertaken to identify and recommend design and construction measures to mitigate the voids encountered in the underlying rock. Because of the environmental sensitivity of the area, coordination with FDOT District III was necessary.

SR 369 (Crawfordville Highway) Roadway Reconstruction from East Ivan Road to the Leon County Line, FDOT District III, Leon County, FL (FDOT FPN 220495-2-52-01) – This project consisted of conducting the geotechnical studies for the multi-lane widening of SR 369 from 2 lanes to 4 lanes. The investigation included the analysis of subsoils for lane additions, culverts, storm sewers, mast arm foundations, retaining walls, stormwater management facilities, and evaluation of possible karst features. In addition, the project included the replacement of a bridge culvert and construction of high fill embankments over soft highly organic soils.

SR 20 (US 27) Roadway Improvements from SR 319 (Capital Circle Northeast to the Jefferson County Line, FDOT District III, Leon County, FL (FDOT FPN 409025-1-52-01) – This project consisted of resurfacing and lane additions and drainage improvements to the existing roadway. The investigation included the analysis of subsoils for lane additions, culverts, and storm sewers. The roadway improvements also included the investigation of areas of distressed pavement and developing remedial corrective measures.

Similar Project Experience

Through efficient management and leadership, DRMP has garnered the trust of its clients by delivering a quality product while meeting time and budgetary constraints. DRMP is proud of our successful track record in providing consulting services to our clients. We encourage you to call any of our satisfied clients we have listed because we believe you will find a level of confidence in DRMP that is unsurpassed in the industry. We are pleased to include Wood and Partners, Inc. (WPI) as part of our project team. DRMP has worked closely with WPI on numerous projects in the Panhandle and in South Georgia. Since the RFP makes specific requirements for the use of a Landscape Firm, we have chosen to include three WPI projects as part of our team's overall experience. WPI will be an integral part of our team. The following represents a summary of the projects with which DRMP has been involved with:

Davis Park Drainage Improvements City of Cairo, Florida

DRMP is currently responsible for the planning, design, permitting, bid services and construction services for this project that provided reconstruction and rehabilitation of Davis Park and the construction of a stormwater facility to solve local street and structural flooding. Phase I of the project included evaluation of three alternatives, preparation of an overall park master plan, and conducting of two public hearings. The park master plan including reconstruction of an existing walking trail, construction of a playground, tree removal and replacement, landscaping, foot bridges and construction of a stormwater pond. The recommended alternative is being designed to local and GADOT standards and will receive an Army Corps of Engineers Dredge and Fill permit, a GA Erosion and Sedimentation Control Permit and a Stream Bank Buffer Permit. DRMP is scoped to provide full bid services and construction administration services to complete the project. Wood and Partners, Inc. served as the Park Planner and Landscape Architect for this project.

Project Owner/User Agency Representative

Chris Addleton
City of Cairo
P.O. Box 29
Cairo, Georgia 39828
P: 229-377-1722 ext 3000

Completion Date: Ongoing

Key Personnel Participation

Bryant A. King, PE – Project Manager
Eric W. Gooch, PE – Project Engineer
Travis N. Shannon, EI – Staff Engineer
J. David Malcom, ASLA – Park Planner and Landscape Architect

Gilbert Park City of Mount Dora, Florida

This heavily wooded park accommodates residents and visitors throughout the year. Day care and school children arrive by bus for picnics and outings. Retirees play croquet and walk the park. Activities are held at the pavilion for a variety of functions. Parents bring children to the playground after school and boaters park their trailers while on the lake. The City recognized that growing demand by varying uses and age groups was creating the need to re-design the park site. By organizing the variety of vehicular uses into specific parking areas, the City park accommodates more boat trailer spaces, reserves bus spaces and provides passenger car spaces away from the play areas, thereby ensuring a greater level of safety for the

children. Permeable paving bricks are used for the vehicular area to reduce the need for stormwater ponds. A previously existing parking area was returned to grassed open space. Overall, the plan allows more trailer and car parking yet increases the open spaces.

Project Owner/User Agency Representative

Mark Reggentin
City of Mount Dora
510 N Baker Street
Mount Dora, Florida 32757
P: 352.735.7183

Completion Date: Ongoing

Key Personnel Participation

Bryant A. King, PE – Drainage Engineer
George P. McLatchey, CEP, PWS – Environmental Scientist
Jeff Lance, PLS – Project Surveyor

Marjorie Harris Carr Greenway Marion County, Florida

DRMP was responsible for the recreational trail alignment that included evaluating alternative alignments; determining potential environmental, cultural and engineering impacts; conducting a public meeting; and the preparation of a Preliminary Engineering Report used to obtain a Categorical Exclusion and maintaining Federal Funding eligibility. Elements of the project included coordination with FDOT, CSX Railroad, Marion County and SJRWMD. A public meeting was conducted to allow local comment from local residents, homeowners associations and bicycle enthusiasts.

Project Owner/User Agency Representative

James Wolfe
Douglas Building, Room 853
3900 Commonwealth Boulevard, MS 795
Tallahassee, Florida 32399
P: 850-245-2052

Completion Date: 2010

Key Personnel Participation

Bryant King, PE - Project Manager

Letchworth Love Mounds

The Florida Department of Environmental Protection has contracted with DRMP for the Civil-Site development work at Letchworth-Love Mounds State Archeological Park. The work involved included topographic survey of the site, engineering design for the entrance road, parking lot, sidewalks and stormwater management facilities. The scope also included siting the well head, design of a septic tank and drainfield for a new restroom facility, siting of a new picnic pavilion. A Stormwater Permit was secured from the Florida Department of Environmental Protection. A site plan approval was obtained from Jefferson County.

Project Owner/User Agency Representative

Don Page
Florida Department of Environmental Protection
Bureau of Design and Construction
P: 850.488.5372

Completion Date: 2008

Key Personnel Participation

Bryant King, P.E Project Manager

**Blackwater River State Park
Florida Department of Environmental Protection**

This project involved a complete renovation of an existing 29-site campground along with the addition of a potable water system and gravity sanitary sewer system to serve every site. Improvements included redesign of every campsite including ADA accessible sites, design of new potable water and sanitary sewer system including new hook-ups for each site, design of underground power and pedestals for each site, roadway improvements and stormwater treatment facilities. The project also included renovation of an existing bath house using an architect that participated on the engineering design team. Approximately two miles of potable water line was also designed to remove the park and campground from well source. This waterline included design of a directional drilled segment of line beneath the Blackwater River. A Dredge and Fill Permit and a Stormwater Permit were obtained from the FDEP. The project also included preparation and submittal of a Sovereign Submerged Lands Easement. Development exemptions were secured from local municipalities. DRMP was involved in the project from Preliminary Design through Final Certification of Construction documents.

Project Owner/User Agency Representative

Susannah Ray
Florida Department of Environmental Protection
Bureau of Design and Construction
3540 Thomasville Road
Tallahassee, Florida 32309
P: 850-488-5372

Completion Date: 2009**Key Personnel Participation**

Bryant King, PE - Project Manager

**Fort Fraser Trail, Rails to Trails
City of Lakeland, Florida**

This 7.5-mile paved trail, extending from CR 540A to East Van Fleet Drive in South Lakeland, Polk County, was an important part of the "spine" of the overall Florida Trails network. For the most part it follows US 98. Minor roadway and drainage improvements also were needed, as well as signing of the trail crossings of side streets and driveways. Distinctive decorative architectural features provide users with distance from the trailhead, and a railroad trestle was converted to a covered bridge look. In Highlands City, a trailhead facility including shelter, parking, and restrooms was constructed. Traffic signal improvements were also coordinated to make the trail more accessible to nearby residents. DRMP served as the overall site engineer for the project preparing all construction documents, Right of way maps and permit applications to the Water Management District. We also provided Construction Engineering Inspection services for the owner once the design was completed.

Project Owner/User Agency Representative

Greg James
City of Lakeland
228 South Massachusetts Avenue
Lakeland, Florida 33801
P: 863-834-6040

Completion Date: 2007**Key Personnel Participation**

Robby Moon, PE Project Engineer

**The Boardwalk at Minnehaha Park
City of Maitland, Florida**

Lake Minnehaha is an urban lake located near the historic downtown area of Maitland, Florida. For this project, the City of Maitland wished to promote public access and viewing of the pristine wetlands of Lake Minnehaha. In addition, the City specified the enhancement of the existing recreation area. This presented a unique challenge to the design team. To meet this challenge, the DRMP project team designed a 430 linear foot visually appealing and low-impact boardwalk through a wetland adjacent to the lake. A low-impact design led to the successful permitting of the project through the Florida Department of Environmental Protection (FDEP). In addition, to accent the new boardwalk, the design team designed the site hardscape, site amenities, site landscaping and boardwalk structural components. This project was performed as part of DRMP's continuing services contract with the City and funded with assistance from the Florida Recreation Development Assistance Program (FRDAP). Now with the Minnehaha Park and boardwalk, the City of Maitland will be able to share the beauty of Lake Minnehaha with its residents while maintaining the ecological value of the wetland areas. Professional Services included public involvement, planning, topographic and boundary survey, environmental permitting (FDEP and ACOE) and design and construction drawings.

Project Owner/User Agency Representative

Verl Emrick
City of Maitland
1776 Independence Lane
Maitland, Florida 32751
P: 407.539.1255

Completion Date: 2008

Robby Moon, PE - Project Engineer
Bryant King, PE - Project Engineer

**Wood + Partners, Inc. Experience
The Angus Gholson Jr. Learning Center
Liberty County, Florida (Wood and Partners)**

Apalachicola Bluffs and Ravines Preserve comprises over 6,000 acres along the Apalachicola River containing mostly pine and sandhill uplands, river bluffs, spring-fed creeks and steephead ravines. WPI provided a site and landscape plan for the new Angus Gholson Jr. Learning Center that celebrates the geology, ecology, and management of the Preserve. The landscape plan demonstrated land restoration techniques incorporating the use of botanical identifiers, interpretive signage while allowing the visitors to experience and appreciate the sandhill community.

Project Owner/User Agency Representative

Owner: The Nature Conservancy
Agency Rep: Johnson Peterson Architects
Ivan Johnson
930 Thomasville Road
Tallahassee, FL 32303
(850) 224 9700

Completion Date: 2010**Key Personnel Participation**

J. David Malcom, Project Manager
Kristen Mansfield Landscape Architect

**60 Ac. Regional Sports Complex
Port St. Joe, Florida (Wood and Partners)**

WPI is working with the City of Port St. Joe on a master plan for their 60 ac. Regional Sports Complex featuring nine ball fields and support facilities. The ball fields accommodate Little League Baseball, T-Ball and girls softball programs. Also planned is a multi-use field that accommodates both football and soccer and can serve as festival space during tournaments. Other facilities include batting cages, a playground, picnic shelters and walking trails and boardwalks through on-site wetlands. The program elements were derived from public input via the recreation needs assessment that WPI conducted with the City in conjunction with planning efforts for the Sports Complex.

Project Owner/User Agency Representative

Mike Lacour, Finance Director
Port St. Joe Sports Complex
P.O. Box 278
Port St. Joe, FL 32457
P: 850-229-8247

Completion Date: Ongoing

Key Personnel Participation

J. David Malcom, Project Manager
Kristen Mansfield Landscape Architect

**Tanyard Creek Park & Nature Center Master Plan
Quincy, Florida (Wood and Partners)**

The Community Redevelopment Agency for the City of Quincy, FL has recently approved the master plan for the Tanyard Creek Park, prepared by Wood + Partners, Inc. This master plan is being used to secure funding through a grant from the Florida Recreation Development Assistance Program. Additionally, the bid documents will be used to apply for Neighborhood Revitalization funding through the Community Redevelopment Block Grant. The 35-acre park site sits adjacent to the Tanyard Creek Greenway and is also within the geographic center of town. The phased plan will bring much needed family sized pavilions, meadow open spaces and walking paths. Later phases will include a nature center, planted grove, "boundless" playground, sports court, walking trails, a large grassy open space, meadow and amphitheater. A restored wetland with new storm water features will provide needed storm water management on the site as well. Construction is expected to begin the summer of 2010.

Project Owner/User Agency Representative

Charles Hayes, CRA Manager
City of Quincy
404 W. Jefferson Street
Quincy, Florida
P: 850-618-0030

Completion Date: 2010

Key Personnel Participation

J. David Malcom, Project Manager
Kristen Mansfield Landscape Architect

**PROCESS AND PROCEDURES FOR ENSURING
CURRENT DESIGN STANDARDS**

There are three main processes and procedures related to ensuring that current design standards, codes and regulatory direction are utilized in the project design.

First, our firm is committed to ensuring that junior and senior staff receives adequate training. This includes formal certifications, seminars and webinars, internal training and classes. Anyone attending outside training shares information learned with staff. Current knowledge of codes and regulations is a requirement for Senior Staff that participate in the Projects Quality Control Plan.

Second, knowledge of regulations and codes is not sufficient to achieving final regulatory direction. Relationships with regulatory staff and good communication are vital to getting the intent correct and achieving sound design that meets requirements and is permissible. Our intent is to maintain good relationships with regulatory staff in any agency that has jurisdiction over County work. This may include local Growth Management Departments (City and County), FDOT, FDEP, NFWFMD, Department of Health, USACOE, EPA, Wildlife Agencies and/or FEMA. Our role is to establish a good framework of the project to present to these agencies prior to final design and to clearly document the applicable rules, code or direction that is discussed with Agency personnel in pre-application coordination. This documentation becomes part of the project commitments and supplements the applicable published regulations and code. This information is required to be reviewed as part of the Quality Control Plan prior to a formal QC process.

Finally, and most importantly, a solid quality control plan is most effective in ensuring that standards and regulatory direction are adhered. Good quality control is the best line of defense to ensure that commitments and regulatory direction are met.

DRMP is extremely proud of our reputation for high quality design work for our many clients. DRMP's philosophy is error prevention by starting the job with quality people and completing the job with proper supervision. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. On each assignment, we do the following to insure that DRMP delivers a high quality design service:

- Develop a comprehensive Project Quality Control Plan specifically tailored to each task.
- Identify a QC Review Team and define their responsibilities.
- Incorporate current QC checklists amended to incorporate any special project requirements.
- Complete a full QC Review of EVERY document that leaves our office, including those prepared by subconsultants.
- Complete Phase Submittal Reports to document the design decisions as they evolve.
- Hold formal audits of QC effort with each submittal (DRMP will provide certification of the effort for County staff). QC materials are available for review at this audit.
- Complete thorough QC efforts associated with Utility Coordination, and Technical Special Provisions, Specifications Package Submittals – all in accordance with internal and client guidelines.
- Complete Project Field Review by QC Review Team staff and provide documentation.

QC of Design Phases: Design phase Quality Control involves a thorough, comprehensive review of all work completed at each phase of design completion (30%, 60%, 90%, Final). This includes checking all materials for:

- Conformance with applicable Design Standards
- Conformance with Client's Needs and Objectives
- Cost-Effective Designs
- Documents can be readily approved by Permitting Agencies
- Documents are suitable for obtaining Fair Bids
- Minimizes potential for Construction Problems

The DRMP QC Manager enlists the help of DRMP's most knowledgeable technical staff for QC review. In addition, DRMP has compiled several QC checklists which have proven invaluable in this work. These lists are an aid to the QC reviewer in organizing and completing a thorough QC review.

Upon completion of each design phase, a complete QC review plan set with all accompanying design documentation is forwarded to the QC Manager. Each sheet of the QC plan set bears the DRMP QC Stamp and is signed at the "A. ORIGINATION" line by the employee responsible for preparing the plan. DRMP's proven QC procedure requires that the QC Manager receive a complete set of all design documents, including all component sets and subconsultant prepared design elements, prior to beginning the review. This process insures that a comprehensive QC review is completed quickly and efficiently.

Once the QC Review is completed, the DRMP QC Manager prepares the QC documentation and delivers the plan set to the Project Manager with copies to DRMP Senior Staff. All sheets are completely "Yellowed Out" or "Redlined" with corrections / comments, and signed & dated in the "B. CHECKED" line by the QC Reviewer. The QC team similarly marks up the Comment Response memo.

During the "CONCURRENCE", "INCORPORATION", and "VERIFICATION" activities, the DRMP QC Manager and QC Reviewer are available to the Project Manager to discuss comments. The final QC plan set is retained by the DRMP Project Manager and routed to project archives.

Quality Assurance Review: To assure that a complete QC review is accomplished and that all aspects of the QC Policy have been adhered to in its completion, the Project Manager and the QC Manager conduct a "Quality Assurance Review" at the end of each phase review. This QA review confirms that all elements of the design, including those elements prepared by our subconsultants, have undergone a comprehensive and unified QC Review. We verify all Transmittal packages meet scope and County requirements. Particular attention is given to construction cost and duration estimates and specification packages.

Documentation: An important element of the overall QC process is proper documentation. The DRMP QC process requires we document the materials reviewed for each phase of design and retain all check prints, design memoranda, reports, and calculations. The retention period for this material is at least seven years after the time when a project is placed into service, and this period is typically exceeded by the use of off-site archival facilities.

QC Debriefings: Assuring quality is an ongoing process, requiring periodic updates as design and construction methods evolve. Therefore, DRMP QC Manager periodically conducts an internal "QC Debriefing" between members of the QC review staff and the DRMP design staff. The purpose of the debriefing is to review the effectiveness of the QC/QA process, discuss shortcomings and

possible improvements and to determine if changes can be made to the process that will insure the QC Review process runs more effectively in the future. The DRMP QC Manager is responsible for documenting and implementing any process improvements.

SPECIAL RESOURCES AND EQUIPMENT

The DRMP team uses and owns a large range of software and equipment including, but not limited to:

Scheduling Software

Microsoft Project
Primavera
SureTrak

Visualization/Graphics

Adobe Illustrator, PhotoShop, InDesign
Corel Draw Suite
Macromedia Dreamweaver
QuarkXpress

Geographic Information System

ArcCAD
ArcView 3.3
ArcGIS Desktop 9.3.1
ArcInfo License
ArcGIS 3D Analyst
ArcGIS Spatial Analyst
ArcGIS Data Interoperability
Arc Editor 9.2
Arc Pad 7.1

Raster Imaging/Digital Mapping

DESCARTES - Raster imaging
SUREMAPS Raster - Digital maps
IRAS/C - Raster imaging

Design

MicroStation J & V8, FDOT 2004 MR5
GeoPak and CivilPak
Bentley XM Versions of WaterCAD, WaterGems,
SewerCAD, StormCAD
Pond Pack 3.2
AutoCAD/Land Desktop, Civil 3D 2009
CAiCE 10.1 SP7
XPSWMM

Environmental

MACSTORM - FDOT storm tab sheet generation
Haestad Methods WaterGEMS (including WaterCAD - Water distribution system analysis
Advanced Interconnected Pond Routing Program (adICPR)
Ponds Version 3.2 - Groundwater/Surface Water Modeling for stormwater systems
Storm Water Management Model (SWMM)
Hydrologic Engineering Center No. 1 (HEC-1) - Flood hydrograph generator
Hydrologic Engineering Center No. 2 (HEC-2) - Water surface profile computations
Hydrologic Engineering Center River Analysis System (HEC-RAS)
Water surface profile computations
WSPRO - Water surface profile computations written by USGS for the Federal Highway Administration

WSP-2 - Soil Conservation Services water surface profile computations
HY-8 - Hydraulic analysis of culverts written by the Federal Highway Administration
TR-55 - Surfacewater model
TR-20 - Surfacewater model
HSPF - Surfacewater model, continuous simulation
WASP - Surfacewater model, continuous simulation
QUAL2E - Surfacewater model, continuous simulation
HYDRAIN - Surfacewater model, continuous simulation
Modflow - Groundwater/Surfacewater model
MODRET - Groundwater/Surfacewater model
WHPA - Groundwater/Surfacewater model
HELP - Groundwater/Surfacewater model
GRITS/STAT - Groundwater/Surfacewater model
NEH-4 - Riverine system
HEC-18 - Riverine system
HEC-20 - Riverine system
HIRE - Riverine system
ASAD - Collection systems and outfalls
PCDRG- Collection systems and outfall
NETWORX - Collection systems and outfalls
HDS-4 - Collection systems and outfalls
HDS-5 - Collection systems and outfalls
HEC-9, 12, 14, 15, 17, 19 - Collection systems

Survey

CAICE
TDS Survey Link - Electronic data collection/transfer
EFBP - Electronic Field Book Processor Suite
Trimble Pathfinder Pro XR DGPS Submeter GPS System

Trimble Pathfinder Office
Trimble Media Mapper
Trimble 5700 Geodetic Survey Receivers
Trimble Geomatics Office Suite
Microsearch Geolab 2001 - Least squares adjustment software
Leica 9500 Geodetic Survey Receivers
SKI / SKI-Pro - Leica GPS Postprocessing and RTK software
STARNET / STARLEV- Least squares adjustment horizontal/vertical
Prismless/Reflectorless Total Stations
Auto Levels
Digital Levels
Magnetic Locators
Data Collectors

- Windows CE
- TDS Rangers
- Husky FS/2, FS/3
- Allegra

Cable Locators
Jon Boat
4x4 Vehicles

Willingness to Meet Schedule and Budget Requirements

SCHEDULING PROJECTS

Proper scheduling and timely completion of tasks and subtasks are of critical importance. As the prime consultant, we will be solely responsible for the project schedule and the quality of the work product. To this end, it is vital that subconsultants be kept informed so that they also comply with our scheduling and quality commitments. *With this in mind, we will schedule work tasks to get required data to our subconsultants as soon as possible, and we will provide all team members with schedule updates at regular intervals.*

Bryant A. King, PE the DRMP Team Project Manager, will serve as the primary point of contact with the Department concerning contract administration and task assignments. Mr. King will receive all written or verbal work orders issued by the County's Project Manager.

The Work Authorizations will be reviewed immediately upon receipt. Mr. King will schedule the necessary meetings to scope the project and execute the notice to proceed. Once a notice to proceed is obtained, Mr. King will update a progress chart and add it to a list of task work orders that may already be underway under this contract. Below is an example of a progress chart that DRMP has utilized on our current Miscellaneous and Minor Design Contracts. Under these contracts, DRMP had as many as 14 design task work orders underway at one time. The chart indicates the status of each Work Authorization with specific milestone dates, approvals of specific information, status of comment/responses and information related to data that may be needed to complete the plans. This type of chart is easily followed and provides the County's Project Manager with all relevant data pertaining to the projects. Mr. King will update this chart bi-weekly and provide it to the County Project Manager. In addition to this project status chart, DRMP creates project specific

FTP sites for every project to utilize in disseminating information to the client and any subconsultants.

Cost control and the development of the most economical solution are paramount to any definition of success. DRMP both actively and passively imparts cost control methods into the prosecution of all of our assignments. This results in a project that both meets client budgetary expectation, and provide the most value for the dollars invested.

CONTROLLING PROJECT BUDGETS

As a means of cost control, DRMP will start this project with a written Planning Budget, worked out with the FDEP. Throughout the course of the project, the budget will be refined at schedule points, including schematic design (30% plans), design development (60% plans) and construction documents (90% plans). Whenever a discrepancy is identified, a written plan of action will be developed to resolve or accommodate the difference. In addition, a formal VALUE ENGINEERING REVIEW will be conducted at the design development (60% plans) stage on all design efforts.

DRMP brings economical solutions to all of our projects in the normal course of our business by maintaining the mindset that we have a fiduciary responsibility to our clients as well as an engineering responsibility. Much of our work is conducted for small municipalities that have limited budgets and therefore, must get the most "bang" for each dollar spent. Through continually working within these limited budgets, regular training of staff (both internal and external) in Best Management Practices, and extensive involvement in Professional Societies, DRMP keeps abreast of the best/most economical methods of service to our clients.

Contract C-8K43 Districtwide Traffic Ops Design Consultant Contract FIN 229936-3-32-01 Consultant: DRMP											
Project Name	WO Executed	Survey Received	Utility Survey Received	Pavement Cores Received	Geotechnical Info Received	Typical Section Package Submitted	Pavement Design Package Submitted	Initial Submittal	Comments Responded To	Final Plans Submitted (PDF)	Comments
SR 809 at Dyer Blvd	Yes (7/21/06)	Yes (9/29/06)	Yes (12/06/06)	Yes	Yes	Yes	Yes	5/22/2007	Yes (7/8/07)	Yes (7/13/07)	Final Signed and Sealed Plans Delivered (7/26/07)
SR 869 at Military Trail	Yes (12/20/06)	Yes (3/19/07)	Yes (6/21/07)	Use Cores From Adjacent Project	N/A	Yes	Yes	5/14/2007	Yes (7/10/07)	No	Final Signed and Sealed Plans Delivered (7/26/07)
SR 7 at Riverland Rd	Yes (10/31/06)	Yes (3/5/07)	Yes (1/24/07)	Yes	N/A	Yes	N/A	4/9/2007	Yes (6/8/07)	Yes (6/14/2007)	Final Signed and Sealed Plans Delivered (7/9/07)
SR 5 at Prima Vista Dr	Yes (4/2/07)	N/A	N/A	N/A	N/A	N/A	N/A	4/23/2007	Yes (6/14/07)	Yes (6/11/2007)	Final Signed and Sealed Plans Delivered (6/15/07)
SR 84 at Weston Rd	Yes (4/2/07)	Yes (4/30/07)	Yes (7/10/07)	N/A	N/A	N/A	N/A	7/24/2005	No	No	Awaiting FDOT Review Comments
SR 802 at Carrie Drive	Yes (6/25/07)	Yes (6/15/07)	Yes (7/26/07)	Using Pavement Design Info From Ex Plans	NA	Yes	Yes	7/25/2007	No	No	Awaiting FDOT Review Comments
SR 76 at Tahoe Terrace	Yes (4/5/07)	Yes (6/15/07)	Yes (6/15/07)	Yes (6/20/07)	NA	No	No	8/1/2007	No	No	Working Towards Initial Submittal

Recent, Current, and Projected Workload

The following chart represents our current and projected workloads.

Project Name and Number	Description	Date Complete
FDEP Van Fleet State Trail	Design of supporting infrastructure	9/2011
FDEP Marjorie Harris Carr Cross Florida Greenway-Dunnellon Trail	Design of a 2.5 mile Trail and 2 Trailheads, Bid and Construction Services	3/2012
City of Cairo, GA -Davis Park Master Plan and Reconstruction	Park rehabilitation master plan, reconstruction of park amenities, design of flood control system	12/2011
Pensacola NAS – Corry Bachelor Enlisted Quarters	Site design and stormwater permitting for building and parking facilities	6/2012
Ft. Benning GA – Maneuver Battle Lab	Site design and permitting for building and site infrastructure	6/2012
FDOT District 3 DW Safety Contract	Traffic Safety Studies, Roadway Safety Improvements, Drainage Evaluations, 5 Active Task Authorizations	6/2012
FDOT District 3 DW NPDES Contract	Support District 3 for Phase I and Phase II NPDES MS4 Permitting, 4 Active Task Authorizations.	6/2015
FDOT District 3 Yellow River Bridge Replacement	Drainage Design and Bridge Hydraulics Design for replacement of 1550 LF Bridge in Okaloosa Co.	12/2011
SCDOT Bishopville Bypass	Drainage Design and Bridge Hydraulics Design for 3 mile New Road	12/2012
Escambia County Nine Mile Road PDE	Pond Siting Report and Drainage Analysis for 2.2 mile corridor in Escambia County	6/2011
Bradford County CR 229A Bridge Replacement	Drainage Design and Bridge Hydraulics	9/2011
Panama City Beach - Tropic Winds Infrastructure Improvements	Sanitary Sewer Design and Permitting	6/2011
FDOT Central Office – EMC Water Quality Monitoring	Water Quality Sampling Project to Determine EMC on Rural Typical Roadways	12/2012
NWFWMD Professional Engineering Services	Professional Engineering and ERP Permit Review Support Services – No current active tasks	8/2013

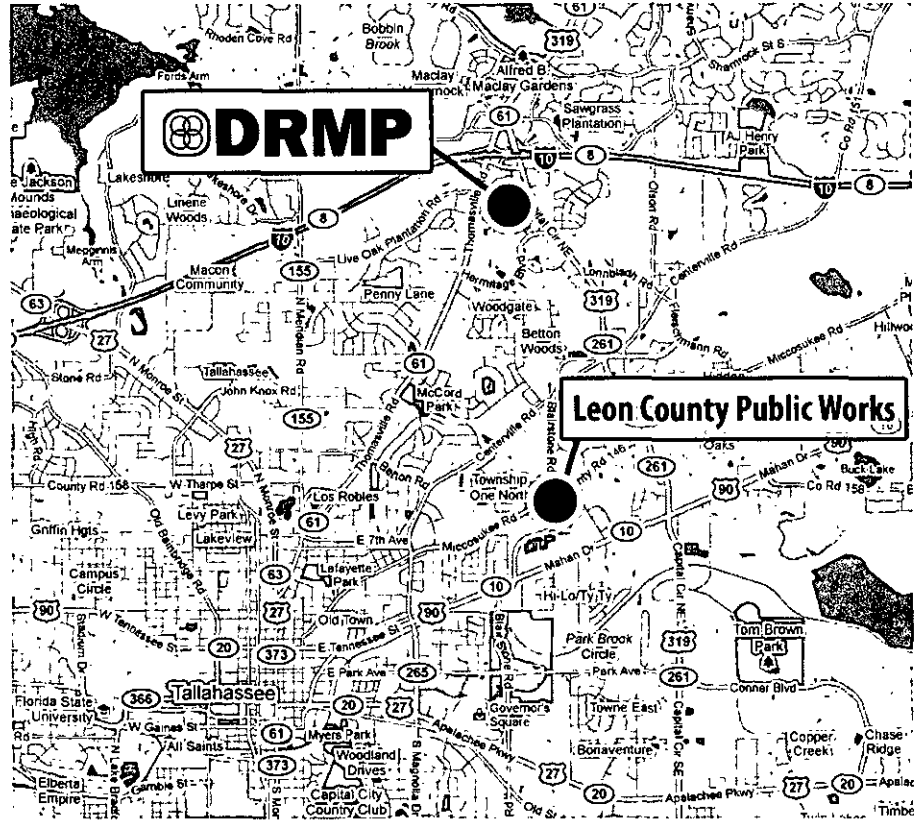
We at DRMP understand that adequate staffing levels are critical in ensuring the success of all projects. Our large staff provides flexibility to our clients which allow us to meet schedules, even with varying workloads among several projects simultaneously. All of our personnel are qualified to work on this project. With the depth of our staff, DRMP will be able to provide the necessary personnel to stay on schedule and if necessary, will utilize personnel from other offices to assist with assignments in the event of unforeseen circumstances and accelerated schedules.

For the Tallahassee office, the backlog that we are depicting reflects contracts or task orders that are under contract or approved contracts pending execution. As noted above, our backlog and project load allows DRMP to meet any new task obligations presented by the County. We are first committed to providing local service and will make staff assignments that fit geographic proximity as well as expertise.

Project Team Location

DRMP is nearby and easily accessible to Leon County! Our corporate headquarters is only 4.4 miles (12 minutes) from Leon County and our staff is available and committed to providing quality services to the County. We have served local municipalities from this office in the past and believe our location enables us to provide these services to the County in the most efficient and cost-effective manner possible. The County can rely on the complete support and resources of the firm, and our 33 years of consulting experience. We are an established firm whose staff is never more than a phone call or short trip away whenever needed, and our resources and offices are here for the long haul.

Note: Our organizational chart includes staff from other offices as we plan to utilize staff from other area offices to provide technical expertise and accelerated production capacity. We also propose to use local subconsultants to assist with successful project completion.



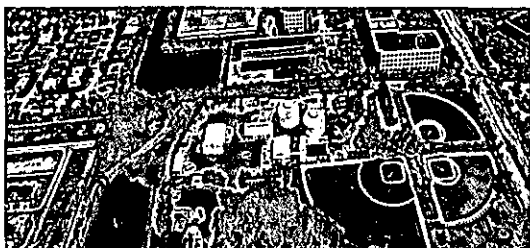
Approach to the Project

DRMP understands the goal of the Leon County is to provide continuing Civil Engineering support for various types of Parks and Recreation Projects. DRMP has developed an effective team that can address all aspects of the design process required of the consultant based on the County's specific assignments. DRMP firmly believes in the philosophy that the consultant acting as an extension of the County staff will be the most effective and economical way to successfully complete these types of projects. Our team can be at the office on a same day notice and at the project sites within 30 minutes which will save Leon County time and money. With our extensive experience in providing continuing support for many clients, DRMP understands the importance of teamwork and the development of trusting working relationships with County staff.

DRMP recognizes the County has infrastructure needs within its jurisdiction, and wishes to enlist continuing consultants to facilitate solving these problems. Many skills and responsibilities are required of the Consultant including problem definition and quantification, preliminary analysis, technical design, public information strategies, environmental permitting, construction plans preparation, surveying, wetlands evaluation and delineation and construction administration. DRMP has the skills and experience to perform the service requirements for Parks and Recreation Facility Engineering outlined in the RFP. Our design team has worked on a vast array of projects from a baseball field to a multi-mile multi-use trail with associated stormwater, utility, parking, roadway, structural and permitting requirements with state and local governmental agencies.

The DRMP team has considerable experience in design, permitting and construction administration/review of Parks Projects. These projects involved all the different aspects of permitting and approvals within the local, state and federal governmental agencies. As a result of our vast experience in providing design services and securing research funding, DRMP believes it is uniquely qualified to assist the County in these endeavors. We have prepared the following summary of our general approach to design projects which support this assertion.

Project Development Phase: A clear understanding of the County's goals and objectives is essential at the onset of the project. Prior to contract negotiations and scope creation, a meeting with both County Engineering and Maintenance staff can be critical to understanding the specific issue. This meeting will allow all parties to gain a through understanding of the project and the steps that need to be taken to develop a solution. Once the unique facts of the project are understood, a detailed scope of services, budget and schedule will be provided to the County. Many recreational projects are situated in areas of sensitive drainage patterns and around wetlands, thus these sites require pre-design investigative work that assesses the current conditions including conveyance conditions and drainage basin

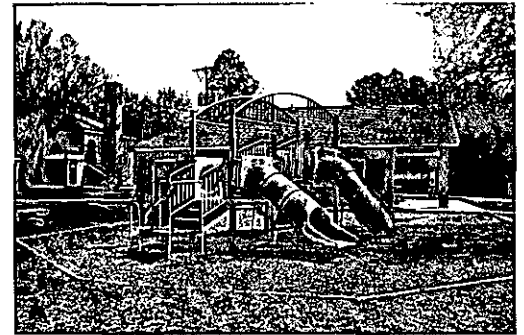


patterns as well as meeting with respective governmental agencies to ensure all

required measures may be met with the proposed design.

PARK COMPONENTS

Playground Design: It's no secret that toddlers and pre-teens use play grounds in completely different ways. In our approach to playground design our team will carefully layout the play environment to include areas for all age groups. We often collaborate with playground equipment manufacturing companies to work with our design team to provide custom themed play environments that meet the needs of the broader park environment. We have done this at several playgrounds including Heritage Park which was so successful that they now offer this playground as a standard play set in their catalogue. Shade, safety surfacing, and recycled materials will all be considerations during the design. We will also consider current playground trends such as natural play environments, born from the "No Child Left Indoors" movement that incorporates natural elements in organic forms that promote creativity and environmental education.



Dog Parks: These social park spaces

bring together canines and their owners for needed recreation and interaction. Our Team has detailed dog park facilities and understands the elements that will create a durable, friendly, and beautiful environment. We will work with Leon County to carefully select surface materials, such as shredded bark mulch, sand, or poured in place recycled rubber mulch, to find the best surfacing for the park that creates a clean park while minimizing maintenance. Water features, obstacle courses and other amenities will also be considered. Specification of heavy duty site furnishings that are also attractive will be a focus for the Dog Parks.

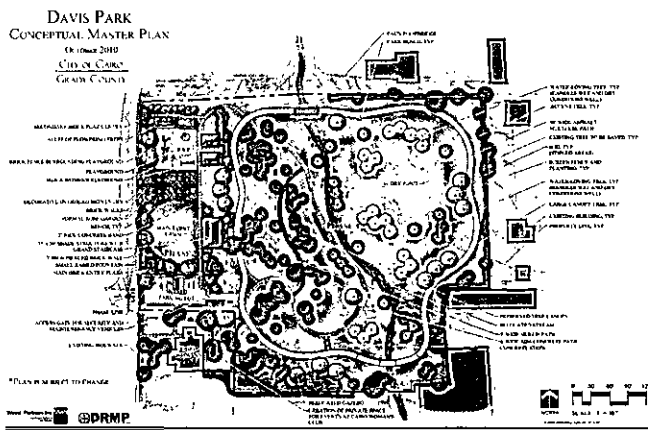
Multiuse Fields: Whether it is a festival, a soccer game, a picnic or throwing the football, the multiuse fields within the park will need to accommodate many uses. We have successfully designed many public open space lawns, meadows and multi-use fields and baseball fields that balance the needs of providing a space for many uses. Careful consideration will be given to selection of proper turf cover and irrigation components that keep the fields and lawns attractive, durable, and disease and pest free.

Park Roads, Parking Areas and Park Associated Structures: When it comes to the planning associated with the roadways or parking or even the support structures necessary for the Parks and Recreation Facilities they all play a key role on the layout and engineering for the desired project outcome. The Restrooms and Concessions areas should be located in such a way that they are accessible by all patrons to the facility and to the extent possible and practicable they should also be centrally located to the facility. Due to the rural nature of some of the parks it may be necessary for wells, septic systems or even small package lift stations for sewer disposal. Roads and Parking Areas should be designed to encourage slow moving

traffic and to have the capacity to serve the park facility while creating a pedestrian friendly environment.

Irrigation: We will employ current technologies, if desired, such as 2-wire control systems that contain soil moisture probes that will sense when water is actually needed in the rooting soil. This technique will assist in lowering water consumption as well as encouraging deeper root establishment with the turfgrass. Our team has designed and specified the needed components for sophisticated irrigation controls systems and pumps for on-site wells including variable frequency drive control systems, which will provide the parks operations and maintenance staff a convenient, reliable and long-lived water delivery system. This can be used in tandem with irrigation supply provided from the stormwater pond. Other considerations that bolster maintenance and resource efficiency include remote system control monitoring and weather stationing.

Landscape Design: All landscape plantings will be carefully evaluated in order to reduce the maintenance and water requirements while also providing for an aesthetically pleasing environment. Use of hardy species as well as native plantings will be one strategy that will bring urban tolerance and low water requirements to the project. Also, limiting turfgrass while selecting plant material that is slow growing and can perform well in massing, such as native wildflowers and grasses for example, will aid in lowering maintenance requirements. The irrigation systems design, both temporary and permanent systems, will be designed to deliver the proper water requirements for each plant or tree to facilitate establishment. Drip irrigation will be considered to promote low water use and lower maintenance costs by eliminating overspray which contributes to weed growth and undesirable vegetation.



Maintenance Integrated Design: Designing for lower maintenance will be an important objective in a Park development plan. Increasing the sustainability of the Park through an integrated maintenance plan will be another goal for "greening" parks. Our Team has direct experience with working with State and local agencies in creating maintenance plans that promote caring for a property the way it has been designed. We have found that creating a clear set of maintenance standards that communicate the design intent for the facility assists in expanding the life cycle of the project as well as its overall aesthetic value. We can also incorporate, ABI approved, land and landscape care specifications that embrace the core beliefs set forth in the principles of organic land care. These will balance the health, ecology, fairness and care of the project site through maintenance practices.

Lighting and Energy Efficiency Design: Early in the design process, our Team will evaluate the post development energy requirements

for the park design. At that point, our Team will create a strategy for employing the Net Zero Energy Usage goal on site through additional energy efficiency techniques such as additional cuts in usage as well as onsite power generation. By following the principles set forth by Energy Star Program Requirements, our power usage will be minimized from the beginning of the design process. Another important element to consider is site lighting. Our Team is experienced in the use of solar powered lights and will also focus on additional efficiency gained through LEDs.



Data Collection: DRMP will continue to discuss the project and obtain available data regarding the project area. Comprehensive review and processing of this data is a critical foundation to development of a quality design. The information must be sorted and only the issues pertinent to the specific design issue must be summarized. Finally, topographic mapping, supplemented by field survey as necessary, DRMP will delineate the limits of the project. Existing construction plans, permits and other mapping sources will round out the data needed and will assist in the completion of the design. An initial site visit is also important to ascertain first hand the site conditions. During this data collection phase DRMP will review the site for the possibility of wetlands and if necessary will have any wetlands within the site mapped and surveyed.

Preliminary Permitting: DRMP staff will contact all permitting agencies and determine permit requirements. DRMP anticipates regulatory involvement with developmental projects from numerous agencies, including the Leon County Growth Management, City of Tallahassee Growth Management, Florida Department of Environmental Protection (FDEP), Florida Department of Transportation (FDOT), US Army Corps of Engineers (ACOE), Florida Fish and Wildlife Conservation Commission (FFWCCD), US Fish and Wildlife Services (USFWS), Northwest Florida Water Management District (NFWFMD). Our vast experience with innovative permitting techniques, including early agency coordination and conceptual permitting will enable Leon County to complete projects in a timely and cost effective manner. Our firm has an impressive background of experience with permitting municipal infrastructure projects. DRMP is familiar with the permit requirements of all the permitting agencies, and we have a tremendous amount of working knowledge in dealing with those agencies. The DRMP team is familiar with and well versed on the requirements of the Comprehensive Plan, City of Tallahassee Zoning Code, Leon County Code of Laws, the City's Environmental Management Ordinance, the County's Environmental Management Act, and all other regulatory agencies that have jurisdiction within Leon County. Pre-application meetings with permitting agencies (such as the Leon County Growth Management Department, FDEP, FDOT and NFWFMD) will be held and the key issues summarized and addressed. During the Leon County permitting process all protected trees that are necessary for removal will be mitigated for as based on the credit and debit ratios provided for, any required plantings will be shown on the landscape plan.

Presentation of Results: DRMP will provide the County with a schematic representation of the design to include the supporting

analysis documentation. Furthermore, we will supply the County with preliminary cost estimates for each of the feasible alternatives that will consider (at a minimum), design, land acquisition/relocation (right-of-way and easements), permitting, construction and construction management. A public information meeting can be held to present the County's preferred alternatives and collect feedback from the affected residents and users. Throughout the process, it is extremely necessary to maintain close coordination and receive input from County staff on all proposed designs and permitting requirements.

Perform Detailed Design and Prepare Construction Plans: DRMP will, using information and preliminary designs developed in the Project Development Phase, prepare construction plans and specifications such that the project can be let to contract or constructed by County forces. The first step in this process is to generate 30% and 60% design plans which outline the proposed drainage system, plan and profile sheets depicting existing and proposed grades, pond locations and sizes if required, any required drainage structures and pipe locations, existing utility locations, preliminary landscape and maintenance of traffic plans if adjacent roads are to be impacted. All designs require coordination with government staff which have an integral input on the overall design and requires the consultant to work hand in hand with the County staff. Existing wetlands that may be impacted during construction will be delineated and mapped during the project development



Phase, DRMP will work diligently during the design phase to minimize or eliminate any wetland impacts. Any trees required to be removed for construction purposes will be mitigated for per

the Leon County mitigation tables. A landscape plan will be created to include with the design plans for all required permitting tree mitigation and any other aesthetic landscaping required by the project. Additionally, the Engineer's Cost Estimate will be revised to show any changes up to this point and appraisals obtained for any required properties. If necessary, another public information meeting will be held to present the selected alternative and receive additional feedback from the residents or affected property owners.

After the 60% plans have been reviewed by the County and all necessary comments addressed, all permit packages will be produced and applications submitted to the applicable permit agencies, whether it be NFWFMD, Leon County Growth and Environmental Management or a combination thereof. DRMP understands how important a good relationship with the regulatory community is and strives to provide submittals of the highest caliber to prevent unnecessary requests for additional information which can slow the project. Permit exemptions will be pursued if applicable to the specific project. We will always look for small modifications in the design plans that can reduce or eliminate the permit effort for a project and save the County time, fees and post-design and construction efforts that would be required to satisfy permit conditions.

Next, 90% construction plans will be produced which respond to all comments from County staff and provide complete design of plan sheets, grading plans, pipe and drainage structure location including all details, utility location, landscape and wetland planting, erosion control, and maintenance of traffic as required for the individual projects. Concurrent with the completion of these plans, all required permit applications should be submitted. Technical specifications and bidding documents will also be prepared.

Following a final review by County staff, final plans will be produced. Along with these plans, a final quantity takeoff will be performed and final construction costs will be estimated. Final right-of-way maps and all legal exhibits necessary for acquisition will be prepared.

Quality Control/Quality Assurance: DRMP is extremely proud of our reputation for high quality roadway design work for our many clients. At the initiation of every project, we create a project specific Quality Control Plan. It sets the framework for Quality Control (QC) activities on the project, when they are to occur, and what form of documentation is required. We have prepared a detailed description of the DRMP QA/QC process included in Tab B of this document.

Construction Administration: DRMP has complete construction management capabilities and can provide all levels of construction management support from assistance and advice to County construction staff, to a complete turn key management system. DRMP will support the County staff during the bid and construction phases of the project by assisting with the pre-bid conference and the review and evaluation of bids. DRMP will attend and answer all questions at the pre-construction conference between the County and the selected contractor. If deemed necessary by the County, DRMP will provide complete construction services. DRMP can provide a full-time resident construction manager if so desired by the County. We will assess the progress and quality of the contractor's work and will coordinate performance and materials testing and will seek to ensure the County receives only work of the highest quality and will alert the County regarding quality problems encountered. The DRMP Team will keep detailed construction documents necessary to provide project certification and as-built drawings as well as review all shop drawings for accuracy and answer all requests for information from the contractor.

Public Involvement and Graphics: DRMP firmly believes that communications are essential to the success of any project. The foundation of an effective communications program is a broad-based Public Involvement Plan (PIP), which informs local citizens, property owners, agencies, and public officials regarding potential project alternatives, schedule, and other issues. The PIP will address the following elements:

- Coordination and Small Group Meetings
- Mailing List and Public Involvement Database
- WEB Page Creation and Maintenance
- Advertisements, News Releases, and Public Information Meetings
- Assistance and support for Staff Presentations
- County Commission Work Session and Public Hearing

DRMP also has an in-house full-service, specialized graphics department that develops web sites, boards, overheads, computer presentations and booklets that are the best in the business. Having graphic designer's on-staff provides DRMP with the resources to create high-quality public information brochures and presentations in a timely, cost-effective manner.