

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 _____

EC Driver & Associates, Inc.
(Firm Name)

(Authorized Representative)

Luis Maldonado, P.E.
(Printed or Typed Name)

ADDRESS _____
1983 Centre Pointe Blvd., Suite 104

CITY, STATE, ZIP _____
Tallahassee, Florida 32308

TELEPHONE _____
850-893-6148

FAX _____
850-668-1610

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

Addendum #1 dated March 3, 2011 Initials: [Signature] Addendum #3 dated _____ Initials _____

Addendum #2 dated March 8, 2011 Initials: [Signature] Addendum #4 dated _____ Initials _____

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

- a. Stormwater Engineering
- b. Roadway Design
- c. Traffic and Intersection Engineering
- d. Structural Engineering
- e. Geotechnical Services
- f. Environmental Support Services
- g. Construction Engineering and Inspection Services
- h. Surveying
- i. Subdivision and Site Development Engineering
- j. Parks and Recreational Facility Engineering
- k. Utility Engineering

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Tab A – Contractor Information

The firm name, business address and office location, telephone number, and e-mail address and contact person for EC Driver & Associates is:

Luis Maldonado, PE, Vice President
Principal-in-Charge/Contract Manager
1983 Centre Pointe Boulevard, Suite 104
Tallahassee, Florida 32308
850.893.6148
850.668.1610
luis_maldonado@ecdriver.com

The Continuing Supply Civil Engineering Services contract will be managed out of the EC Driver's Tallahassee office and supported by personnel in the URS Tallahassee and Tampa offices. The addresses for these offices are:

1625 Summit Lake Drive
Tallahassee, Florida 32317

7650 West Courtney Campbell Causeway
Tampa, Florida 33607

Tab B – Executive Summary

EC Driver & Associates, Inc. (EC Driver) is a full-service, Florida based engineering company. The firm was founded by Ernest C. Driver in Tallahassee in 1984 and has since opened offices in Tampa and Boca Raton. In January, 1995, EC Driver was acquired by URS Consultants, Inc. The firm now functions as a wholly owned subsidiary of URS Corporation, one of the world's largest engineering firms.

EC Driver has been prequalified by the Florida Department of Transportation to perform the following types of work:

- ❖ Minor, Major and Complex Highway Design including stormwater design
- ❖ Minor, Major, Complex and Movable Bridge Design
- ❖ Conventional, Movable and Complex Bridge Inspection
- ❖ Signing, Pavement Marking, Lighting and Signalization
- ❖ Roadway and Bridge Construction Engineering Inspection

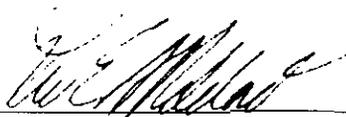
EC Driver's current staff numbers over 51 and includes 28 registered professional engineers. The Tampa staff includes electrical engineers, mechanical engineers and hydraulic power specialists, in addition to structural engineers to serve our clients movable bridge needs. EC Driver is one of the few firms able to meet the needs of any movable bridge project with in-house staff.

EC Driver has unparalleled experience in roadway design and the design, inspection and rehabilitation of all types of bridge structures and in particular movable bridges as well as stormwater engineering. Recent projects include work on rolling and trunnion bascules, steel and concrete swing spans, vertical lift spans and temporary movable bridges. We also have extensive experience in construction engineering inspection on new bridge and rehabilitation construction. Many of our recent bridge projects have involved difficult construction phasing in order to meet maintenance of traffic requirements. Our staff of roadway and drainage engineers works closely with the bridge engineers to ensure an economical, constructable project.

Our success is due in large part to the outstanding qualifications of our staff. In the movable bridge industry in particular, they are nationally recognized for expertise in structural engineering, heavy machinery, control systems and fluid power systems. The staff is also adept at developing innovative, project specific solutions combining aesthetics with safety, reliability and economy for our clients.

We recognize that each project is unique. Communication is the key to delivering the optimum solution to a project. We work closely with our clients, governmental agencies, utilities and the public to produce a design best serving the needs of these diverse groups.

Luis Maldonado, PE, Vice President who is the signer of this proposal is authorized to make representations for EC Driver's response and declares that the EC Driver's proposal is in all respects fair and in good faith without collusion or fraud and he has the authority to bind principal proponēt.



Luis Maldonado, PE, Vice President
Principal-in-Charge / Contract Manager

March 16, 2011

Date

Tab C – Required Forms

As outlined in the RFP, following this section is EC Driver's completed and signed forms and copies of EC Driver's affirmative action policies and state and county certifications:

- ❖ Affidavit Certification Immigration Laws
- ❖ Equal Opportunity /Affirmative Action Statement
- ❖ EC Driver's Equal Employment Policies
- ❖ Insurance Certification Form
- ❖ Certification Regarding Debarment, Suspension and Other Responsibility Matters
Primary Covered Transactions
- ❖ Local Vendor Certification
- ❖ County and State Professional Licenses

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**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: EC Driver & Associates, inc.

Signature:  Title: President

STATE OF Florida
COUNTY OF Palm Beach

Sworn to and subscribed before me this 16th day of March, 2011.

Personally known Mario Echagarrua

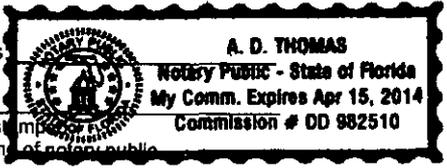

NOTARY PUBLIC

OR Produced identification _____

Notary Public - State of Florida

(Type of identification)

My commission expires: _____



Printed, typed, or stamped name of 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.

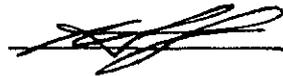
**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

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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:

President

Firm:

EC Driver & Associates, Inc.

Subject: Equal Opportunity Affirmative Action **P&P Number:** 030.010
Responsibility: Vice President Human Resources **Revision:** 7
Authorization: Chief Executive Officer **Effective:** 01/2005

Target Audience: Infrastructure & Environment

United States

Policy

The Company provides equal employment opportunity to all qualified employees and applicants for employment without regard to race, religious creed, color, religion, sex, sexual orientation or preference, national origin, citizenship status, ancestry, age, marital status, medical condition, physical or mental disability, or protected veteran's status in all employment decisions, including but not limited to recruitment, hiring, compensation, training and apprenticeship, promotion, upgrading, demotion, downgrading, transfer, termination, and all other terms and conditions of employment.

As a government contractor, the Company is committed to complying with its obligations to Affirmative Action. Affirmative Action is a policy of inclusion rather than exclusion, having as its goal to attract and retain qualified individuals of either sex and of all races and ethnicities. We assess our program towards that goal by analyzing how representation of minorities and women at all levels in the organization compares with the sex, ethnic and racial composition of the qualified available workforce in the appropriate geographical area from which employees are drawn.

The Company, in compliance with the requirements of Executive Order 11246, as amended, and Executive Order Section 3C as amended, and the Rehabilitation Act, maintains a written affirmative action program in the local Human Resources Departments, portions of which are available to employees upon request.

Purpose

To provide equal employment opportunity to all persons without regard to their race, religious creed, color, religion, sex, sexual orientation or preference, national origin, citizenship status, ancestry, age, height, weight, marital status, medical condition, physical or mental disability, or protected veteran's status, and to promote the full realization of equal employment opportunity through a positive continuing program that complies in spirit and letter with all federal, state and local non-discrimination and fair employment laws and directives.

Any employee who believes that he/she (or others) is being subjected to a working environment that is not free from discrimination, intimidation or harassment should contact his/her Human Resources Representative.

Responsibility

The Chief Executive Officer is responsible for ensuring that these Policies and Procedures are continuously implemented within the Company and that supervisors and others are apprised of the Company's strict prohibition against violations of these policies and procedures.

The Human Resources Representative shall report to the Vice President of Human Resources within 24 hours if the Company 1) receives an employment complaint filed by a local, state or federal agency, 2) is served with a civil suit filed on behalf of an employee or former employee, or 3) has knowledge of a serious personnel-related problem, including sexual harassment, that could lead to such a claim or suit.

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:

 A

Indicate Best Financial Classification:

 XV

Business Auto:

Indicate Best Rating:

 A+

Indicate Best Financial Classification:

 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:

 A

Indicate Best Financial Classification:

 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

ME 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 Mario Echagarrua
Typed or Printed

Signature 

Date 3-16-2011

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



Linda Justen/Tampa/URSCorp
03/16/2011 10:52 AM

To Ann Rhodes/Tallahassee/URSCorp@URSCORP, Luis
Maldonado/Tallahassee/URSCorp@URSCORP
cc
bcc
Subject Fw: Leon County Civil Engineering Services Insurance
Requirements



"Keith Roberts"
<RobertsK@leoncountyfl.gov>
03/16/2011 10:50 AM

To <Linda_Justen@ecdriever.com>
cc
Subject Re: Leon County Civil Engineering Services Insurance
Requirements

I cannot answer your questions at this late date. As stated in the RFP the deadline for questions was 7 days prior to the due date. However, Leon County has in the past and will, in this instance, work with any successful vendor on insurance issues prior to final contract.

Keith M. Roberts
Purchasing Director
Leon County, Florida
V 850 606-1600
F 850 606-1601

>>> <Linda_Justen@ecdriever.com> 3/16/2011 10:34 AM >>>

Keith:

E.C. Driver & Associates is submitting an RFP for the above subject project which is due tomorrow. We have some questions concerning the insurance requirements and request some clarification.

- Like most large engineering firms, we utilize deductibles and self-insured retentions in our insurance program to mitigate the cost of insurance. EC Driver will disclose its retentions for *approval by the County, if awarded the contract.*
- Regarding Section VIII, 3, a: We assume that our policy, which has severability of interest coverage providing that no act or omission of the Named Insured will prejudice coverage for any other insured, is acceptable. Please confirm.
- Regarding Section VIII, 3, b.: Our carriers will provide third (30) days written notice in the event of cancellation and non-renewal, except ten (10) days notice shall apply in the event of cancellation for non-payment of premium. We assume that this will be acceptable to the County.
- Regarding Section VIII, 5: We assume that a certificate signed by our insurance broker will be acceptable to the County. Please confirm.
- As respects the "Insurance Certificate Form", please confirm that it is acceptable for coverage to be written by a non-admitted carrier in the State of Florida. The vast majority of large

engineering firms have Professional Liability coverage written on a non-admitted basis. EC Driver can agree that all of its other insurers will be admitted in the State of Florida.

Attached is the Insurance Certification form for your review.

We look forward to your timely reply.

Best Regards,

Linda Justen
Administrator
EC Driver & Associates, Inc.
500 N. Westshore Blvd., Suite 500
Tampa, FL 33609
813.282.9886 Ext.1010
813.282.9873 Fax
linda_justen@ecdriver.com

This e-mail and any attachments contain EC Driver & Associates confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

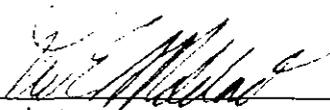


Keith Roberts.vcf

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**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

Vice President

Title

EC Driver & Associates, Inc.

Contractor/Firm

1983 Centre Pointe Boulevard, Suite 104, 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: EC Driver & Associates, Inc.	
Current Local Address: 1983 Centre Pointe Boulevard, Suite 104 Tallahassee, Florida 32308	Phone: 850-893-6148 Fax: 850-668-1610
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: EC Driver & Associates, Inc. Headquarters 150 East Palmetto Park Road, 400 Boca Raton, Florida 33432	Phone: 561-392-9578 Fax: 561-392-2308

Signature of Authorized Representative

March 16, 2011

Date

STATE OF Florida
COUNTY OF Leon

The foregoing instrument was acknowledged before me this 16th day of March, 2011.

By Luis Maldonado, of EC Driver & Associates, Inc.,
(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)

Ann M Rhodes
Signature of Notary

Ann M. Rhodes

Print, Type or Stamp Name of Notary

Notary

Title or Rank

Serial Number, If Any

Return Completed form with supporting documents to:

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





E C DRIVER ASSOC INC
LUIS MALDONADO
1983 CENTRE POINTE BLVD #104
TALLAHASSEE FL 32308

Account Number: 74014

The Business Tax Certificate for tax year 2011 is attached below.

This certificate expires September 30th, 2011.

Please detach and display in a prominent place at the business location.

To cancel a business account with the City of Tallahassee, please return this certificate with letter identifying the final day of business.

To transfer ownership or location, please follow the instructions on the reverse side of the tax certificate.

Each April the "Declaration of Information Form" is mailed to all non-professional, commercial locations. This Declaration must be completed and returned prior to June 15th. Failure to accurately complete the Declaration of Information can result in a 25% tax increase.

For information concerning the Business Tax, please visit Talgov.com or call the Revenue Division at (850) 891-6488.

Thank you for your Payment

2010-11

CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE
LOCAL BUSINESS TAX RECEIPT

2010-11

TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011

DBA: E C DRIVER ASSOC INC

Account Number: 74014

Location: 1983 CENTRE POINTE BLVD #104

Address: TALLAHASSEE FL 32308

Type Code	Sub Code:	Type Description:
675	a	Professional Office

E C DRIVER ASSOC INC
LUIS MALDONADO

The firm, corporation, organization, business or individual whose name appears herein has paid a business tax for the business activities indicated above, subject to city, state and federal laws. This certificate must be conspicuously displayed at the location of the business activity. A change of location from the stated business location on this certificate as well as a change in ownership requires a transfer. (See reverse side.)

State of Florida

Department of State

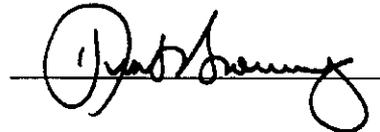
I certify from the records of this office that E.C. DRIVER & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 20, 1984.

The document number of this corporation is G79652.

I further certify that said corporation has paid all fees due this office through December 31, 2011, that its most recent annual report was filed on January 3, 2011, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the Great Seal of
Florida, at Tallahassee, the Capital, this the
Eleventh day of March, 2011*



Secretary of State



Authentication ID: 500197523985-031111-G79652

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.

<https://efile.sunbiz.org/certauthver.html>

Have not received copy of renewed license from State

2:28:21 PM 3/11/2011

Licensee Details

Licensee Information

Name: **E C Driver & Associates Inc (Primary Name)**
 (DBA Name)

Main Address: **150 E. PALMETTO PARK ROAD,
 SUITE 400
 BOCA RATON Florida 33432**

County: **PALM BEACH**

License Mailing:

LicenseLocation:

License Information

License Type: **Certificate of Authorization**

Rank: **Cert of Auth**

License Number: **3838**

Status: **Current,Active**

Licensure Date: **02/08/1984**

Expires: **02/28/2013**

Special Qualifications Qualification Effective

[View Related License Information](#)

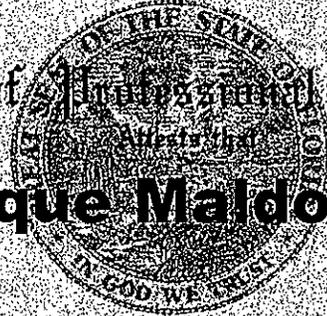
[View License Complaint](#)

**Contact Us :: [1940 North Monroe Street, Tallahassee FL 32399](#) :: Call.Center@dbpr.state.fl.us :: Customer Contact Center:
 850.487.1395**

The State of Florida is an AA/EEO employer. **[Copyright 2007-2010 State of Florida. Privacy Statement](#)**

Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions regarding DBPR's ADA web accessibility, please contact our Web Master at **webmaster@dbpr.state.fl.us**.

State of Florida
Board of Professional Engineers



Luis Enrique Maldonado, P.E.

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES

EXPIRATION: 2/28/2013

P.E. LIC. NO:

AUDIT NO: 228201304090

45306

Tab D – Stormwater Work Category

Investigations have taken many directions, yet include several basic areas of expertise: surface water management and treatment systems, groundwater flow, contaminant transport, environmental impacts, monitoring programs, surface and ground water quality, and soil mechanics. This expertise has been applied to the following types of projects:

- ❖ **Stormwater Management Investigations** – The EC Driver Team has long been involved in evaluating the cause and extents of flooding, frequency and adequacy of on-going drainage maintenance programs, defining floodplains and developing feasible solutions that are cost effective and can be approved by regulatory agencies, as well as investigating other technically complex stormwater management problems. In the course of these investigations we have undertaken stream surveys, floodplain mapping, and the development of both simple and complex hydrologic and hydraulic simulation models to answer the “what if...” questions that precede the development of structural modifications to improve flow, control flooding, and reduce flood losses. URS has also been involved in evaluating the effectiveness of non-structural floodplain measures for solving identified flooding problems.



- ❖ **Water Quality Management Investigations** – Our professional engineering staff has extensive water quality management skills, with diverse project experience in modeling water quality in streams and receiving water bodies, nonpoint source assessments, statistical analyses of water quality, mixing zone analyses, sediment transport, and water quality impact prediction, estimation of seasonal and annual discharged pollutant loads, and the development of wasteload allocations. We have accomplished these assessments through the development and implementation of field monitoring programs, and development and application of water quality simulation models that have been used to document and understand observed water quality variability.

- ❖ **Development of Flooding Solutions** – Using the modeling results from stormwater and flooding models, the EC Driver Team has developed a wide variety of conceptual flood control solutions for communities, including regulatory approaches, identification of design criteria, definition of capital investment projects for hydraulic capacity improvements and floodplain reduction, and floodproofing approaches to control costs. Our staff also has direct project experience in the sizing and design of Best Management Practices (BMPs), development and updating of stormwater maintenance operations programs, and development/implementation of stormwater utility programs.

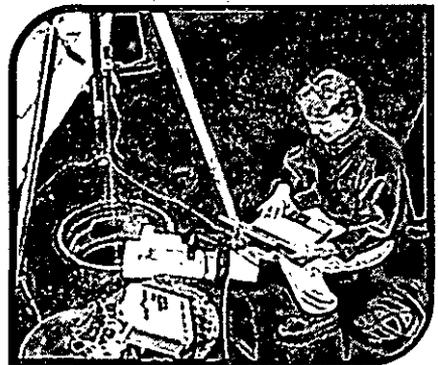


- ❖ **Development of Water Quality Solutions** – The EC Driver Team has developed a broad spectrum of solutions to help communities solve water quality problems, using the modeling results from site-specific monitoring and narrowly focused water quality models. Pollutant loading has been reduced through a combination of approaches

Tab D – Stormwater Work Category

including pollution prevention programs, new and enhanced regulatory approaches, selection of applicable water quality BMPs, preparation of lake/river management plans, and definition of capital investment projects for water quality treatment.

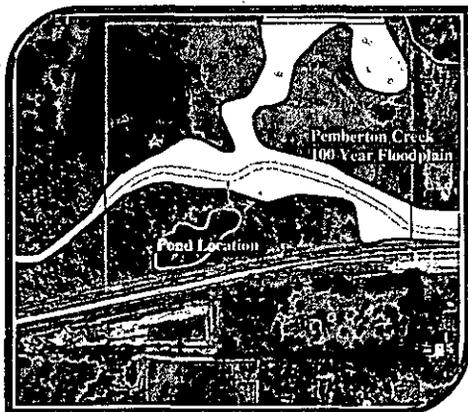
- ❖ **Stormwater Facilities Design** – Design services for stormwater facilities ranging from simple improvements such as culvert upgrading to complete design services for complex collection and conveyance systems, state-of-the-art treatment facilities, flood control, and diversions facilities engineering works including roadways, right-of-way, transportation, and site planning are part of our many projects. We routinely conduct hydrologic and hydraulic analyses to size conveyance and storage facilities and design stormwater management facilities consisting of open and enclosed drainage conveyance systems, detention and retention ponds, discharge controls, BMPs, flow and level controls, erosion protection systems for slopes and channels, sediment and debris traps, and other ancillary stormwater management facilities.
- ❖ **Post-Design Services** – The EC Driver Team has responded to numerous clients' requests for additional services including (1) full or part-time construction inspection services beyond the general construction administration surveillance, provided as a part of construction phase services; (2) assistance in connection with bid protests arising from technical specifications, rebidding or renegotiating contracts for construction, materials, equipment, or services; and (3) services resulting from significant changes in the general scope, extent, or character of an individual project or its design, including but not limited to changes in size, complexity, schedule, character of construction or method of financing; revising previously accepted studies, reports, design or contract documents, when such revisions are required by changes in laws, codes, rules, regulations, policies, or orders enacted subsequent to the preparation of such documents. Fortunately, these types of services are not happenstance, but EC Driver is frequently in the position of adding these services to help clients achieve their project objectives.
- ❖ **Monitoring Programs** – The EC Driver Team has developed monitoring programs for many stormwater characterization and water quality management projects, which provide critical information that enables communities to better manage their water resources, comply with regulatory reporting requirements, and improve overall environmental quality. Both short- and long- term monitoring programs have been designed and operated that have focused simple chemical parameters, biological indicators, hazardous compounds, and quality/time trends. URS can readily provide the monitoring services necessary to develop and design discharge monitoring plans and subsequently prepare stormwater facility management plans.
- ❖ **NPDES Permit Services** – The EC Driver Team has been centrally involved in NPDES permitting for both municipal stormwater systems and industrial facilities throughout Florida and the United States and can provide support in the areas of implementation of MS4 permit requirements, preparation of annual reports, assisting with negotiation of non-compliance consent orders, provision of field services, negotiation of MS4 Permit renewals, as well as conducting annual inspections, preparing annual SWPPP updates and conducting periodic training in support of



Tab D – Stormwater Work Category

industrial activities as regulated by USEPA and FDEP. URS' Florida and national experience, and Tallahassee work assignments will enable us to provide all of the services necessary to support the NPDES Stormwater Permit compliance program.

- ❖ **TMDL Technical Assistance** – The EC Driver Team has been involved in Florida's TMDL program for the last three years, providing support services for a number of clients, which utilize a number of technical skills including water quality monitoring, data collection and analysis, water quality monitoring, peer reviews, and detailed critiques of draft TMDL documents. With a senior professional serving on FDEP's Allocation TAC, we have a great deal of insight into the allocation of pollutant discharge reductions among stakeholders, the development of Basin Management Action Plans (BMAP's), potential opportunities for the creation and trading of reduction credits, incorporation of TMDL requirements into MS4 Permits, and the eventual community commitments and capital investments that will be required to achieve TMDL compliance.



- ❖ **FEMA Services and DFIRM Mapping** – The EC Driver Team has been involved in the Federal Flood Insurance Program since its beginning and has been responsible for the development and updating of floodplain studies and floodplain mapping for over 20 years as one of FEMA's floodplain mapping consultants. We have also assisted numerous communities with updating floodplain studies and preparing LOMAs and CLOMRs during this period. URS has also been involved in the DFIRM program since its birth, and are currently working on three DFIRM assignments in Florida.
- ❖ **Facilities Mapping and Assessment** – The EC Driver Team has developed detailed facilities mapping of stormwater systems and their individual components using GPS for accurately locating features and Geographic Information Systems to manage their associated size, location, physical condition, and maintenance status data. This process provides critical information to support detailed modeling studies, update stormwater system mapping and facilities inventories, and systematically integrate as-built data for stormwater facilities contained in record drawings for completed capital facilities. Facilities mapping and assessment services can also support the development of ongoing maintenance management programs, support stormwater CIP project planning, and can provide the basis for coordination of improvements between roadway and utility improvements.

Ability of Professional Personnel

EC Driver has designated *Luis Maldonado, PE*, a senior engineering manager, to serve the County in the role of the *Principal-In-Charge (PIC)/Contract Manager*, who will independently track the progress and performance on all assignments under the County's Civil Engineering Services, Continuing Supply contract and coordinate with the Project Manager. The PIC will be responsible for all overall services delivery under the Civil Engineering Services, Continuing Supply contract, as well as the County's satisfaction with EC Driver's services. As Contract Manager, he will be responsible for all contracting activities, integration of service delivery, financial operations, supervision of quality control activities, and overall County satisfaction

Tab D – Stormwater Work Category

with EC Driver's service delivery process. If management intervention is required, the Contract Manager will work with the Projects Manager to identify and implement corrective actions necessary to ensure the County's project objectives are achieved within the established cost, time, and quality guidelines. Mr. Maldonado has 25 years' experience in the field of transportation engineering. He was a former District Three Drainage Engineer and Assistant State *Drainage Engineer* for the Florida Department of Transportation. As a Vice President of EC Driver, Mr. Maldonado has the authority to contractually bind the firm.

The key element to successfully executing a general services contract is to have a strong, knowledgeable Project Manager (PM) for project assignments, who will be a "Team Facilitator" for Leon County. It is important that the PM be knowledgeable about all aspects of work that may be issued and that he is capable of assigning staff and committing resources in order to complete the assignment on schedule and within budget. In addition, by establishing a primary point of contact with the County, work and staffing needs can be more easily monitored, ensuring a good quality and timely end product. We are assigning *Don Padgett, PE as Project Manager*. He brings 16 years of experience in managing stormwater system design and roadway design projects. *Robert Johnson, PE* will provide *Peer Review* for the Stormwater Engineering Work category. Mr. Johnson specializes in water resources and environmental engineering including stormwater management, water quality modeling hydrology, hydraulics, bridge scour, cost estimating, NPDES SWPPP preparation, wetland mitigation design, and use of computer models and methods for hydrologic and hydraulic evaluations.

Presented in the table below are the key personnel proposed for the stormwater engineering work category and the number of other professional staff available to provide stormwater engineering services. All key staff are located in Tallahassee and have the availability to provide services on a relatively short notice for the any project contemplated for this contract.

Key Personnel	Percent Available	Number of Other Professional Staff	Percent Available
Luis Maldonado, PE	10%	10	25%
Don Padgett, PE	20%		
Clark Stephens, PE	50%		
Walt Dodson, PE	50%		
Brandon Linville, EI	25%		
Robert Johnson, PE	25%		
Bikash Saha, EI	35%		
Chris Reed, PhD	35%		

The Continuing Supply Civil Engineering Services contract will be managed out of the EC Driver's Tallahassee office and supported by personnel in the URS Tallahassee and Tampa offices. The addresses for these offices are:

1625 Summit Lake Drive
Tallahassee, Florida 32317

7650 West Courtney Campbell Causeway
Tampa, Florida 33607

Key Personnel Resumes

Resumes for the key personnel identified in the above-referenced table directly follow this section.

Outside Consultants

The EC Driver Team has full in-house capabilities to execute all aspects of the foreseeable work assignments from the County; therefore, at this time no outside consultants have been identified.



Luis Maldonado, PE

Contract Manager / Quality Assurance/Quality Control

Areas of Expertise

Storm Systems Design
Storm Water/Environmental
Permitting
Bridge Hydraulics/Scour

Years of Experience

With ECD: 14 Years
With Other Firms: 11 Years

Education

1985 /BS / Civil Engineering,
University of Alabama
FDOT Specifications Training
Stream Stability and Scour at
Bridges

Registrations

Florida PE Certification 45306
Alabama PE Certification 19284

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Chief Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Chief Engineer. Project involved roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Chief Engineer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$9 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Chief Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three. Chief Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$1.6 million.**

SR 313, St. John's County, FDOT District Two. Project Manager. This project for FDOT District Two involves 5.2 miles of new alignment, controlled access roadway from SR-16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. The horizontal alignment was set to minimize impacts to wetlands within this area. Coordination with the ARC as well as SJRWMD was required. **Construction Fee is approximately \$86 million.**

SR-103, Duval County, Florida, FDOT District Two. Project Manager. This project involves drainage improvements to a four lane urban section. Responsibilities included analysis of existing drainage system including preparation of report, design of closed pipe collection

and conveyance system, traffic control analysis/design, and specification package. **Construction Fee is approximately \$0.2 million.**

SR-207, St. Johns County, Florida, FDOT District Two. Project Manager. This project involves drainage improvements including the addition of cross drains and ditch construction to alleviate upland water storage outside the project right-of-way. Responsibilities included review of initial design plans and calculations, design of drainage improvements, and quality control. **Construction Fee is approximately \$4.2 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Principal-in-Charge. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Chief Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$28 million.**

SR-83 (US-331), Walton County, Florida, FDOT District Three. Project Manager. Project involved the design for widening the roadway along SR-83 (US-331) from a two to four lanes, from the Choctawhatchee Bay Bridge to SR 20. The project included widening the existing bridge and constructing a new parallel bridge over Ramsey Branch. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Assisted in quality control/assurance of the roadway, traffic control and drainage plans. **Construction Fee is approximately \$38 million.**

SR-212, McCormick Bridge over ICWW, Duval County, Florida, Jacksonville Transportation Authority. Chief Engineer. The project involves the reconstruction of a combination four-lane, rural roadway and four-lane, divided urban roadway to a six-lane, divided urban roadway from east of San Pablo Road to 9th Street. The major task on the project is to replace the existing bascule bridge with two high level bridge structures. Due to the development along the project, the existing bridge replacement, and the high traffic volume on the project, traffic control was a major concern. Responsibilities include preparation of the Bridge Hydraulics Report, drainage design and environmental permitting. The drainage design included closed pipe and open ditch conveyance systems, two stormwater management facilities, temporary drainage coordinated with traffic control, plans production, quantities estimation, public involvement, and quality control. Public meetings were a part of this contract. **Construction Fee is approximately \$66 million.**

SR-30 (US-98), Taylor County, Florida, FDOT District Two. Project Manager. Project involved the design for replacing the existing main and relief bridges with a single bridge over the Aucilla River. Permits have been acquired and Phase III Plans are currently being developed. The project schedule was shortened by approximately 1 year, but design and plans production is on schedule for a June 2011 letting. Project required coordination with SRWMD and preparing ARC documentation. Assisted

in quality control/assurance of the roadway, traffic control and drainage plans. **Construction Fee is approximately \$23 million.**

SR-A1A, St. John's County, FDOT District Two. Project Manager. This project for FDOT District Two involves widening SR-A1A (US-1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR-210. The Phase I design included determining whether the proposed drainage design could be accommodated within the existing right-of way and developing Phase I (30%) plans. The Phase II scope of services will include developing Phase II (60%) plans for acquiring permits and determining right-of-way requirements. This is a high-profile project with public involvement, which includes environmental groups and communities such as Ponte Vedra. **Construction Fee is approximately \$17 million.**

Miscellaneous Drainage Contract, Florida, FDOT District Three. Project Manager/Engineer-of Record. Performed Location Hydraulics Report for US 29 in Pensacola, Florida. Reviewed and provided comments on consultant drainage plans. Coordinated and obtained Stormwater Operating Permits from the City of Tallahassee on existing FDOT stormwater facilities. Coordinated and obtained stormwater permits from the Florida Department of Environmental Protection (FDEP) on existing FDOT stormwater facilities. Developed and provided a Handbook (Guidelines) for the Rehabilitation of Storm Sewer Systems and Maintenance of Stormwater facilities. Developed drainage plans for NRCS (Natural Resources Conservation Service) for the rehabilitation/stabilization of the Courtney Gully, located in Okaloosa County. Performed a two-dimensional analysis using the Army Corps of Engineers (ACOE) hydraulic program, RMA-2 for the hydraulic and scour analysis of three bridges along CR 166 in Washington County. **Design Fee is approximately \$0.5 million.**

Don Padgett, PE

Project Manager / Quality Assurance/Quality Control

Overview

Don has 16 years in project management, quality control, roadway design, stormwater systems design, traffic control design, signing and pavement marking design, plans preparation, and estimation of quantities.

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Project Manager. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project.

Construction Fee is approximately \$27 million.

SR 51, Taylor County, Florida, FDOT District Two. Project Manager. Project involved roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Also provided Quality Control for the traffic control and roadway design. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Project Manager. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Also provided Quality Control for the traffic control and roadway design. **Construction Fee is approximately \$9 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Roadway Engineer. Project involved constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities include QC of roadway design, plans, and computation book. **Construction Fee is approximately \$2.6 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three. Project Manager. Responsible for project management and the quality control for all aspects of the roadway design for this Resurfacing, Restoration, and Rehabilitation project. **Construction Fee is approximately \$1.6 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Project Manager and Roadway Engineer of Record. Responsible for the project management, roadway design, traffic control, and quality control for all

Areas of Expertise

- Project Management
- Quality Control
- Roadway Design
- Stormwater Systems Design
- Traffic Control Design

Years of Experience

With ECD: 16 Years

Education

- 1994 / BS / Civil Engineering / Florida State University
- 1988 / BS / Secondary Mathematics Education / Florida State University
- FDOT Computation Book Preparation
- FDOT Specifications Training
- Certification in FDOT Advanced Maintenance of Traffic
- FDOT/ITE Highway Capacity Analysis

Registrations

- Florida PE Certification 53201
- Georgia PE Certification 25707
- Alabama PE Certification 23295

aspects of the roadway design for this Resurfacing, Restoration, and Rehabilitation project. **Construction Fee is approximately \$2.3 million.**

SR-313, St. John's County, FDOT District Two. Roadway Engineer of Record. This project involves 5.2 miles of new alignment, controlled access roadway from SR-16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Coordination with the **ARC** as well as SJRWMD is required. Responsible for the roadway design, traffic control, and quality control for all aspects.

Construction Fee is approximately \$86 million.

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. Project Manager. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety improvements and signing and pavement marking plans. Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project.

Construction Fee is approximately \$0.5 million.

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Project Manager. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Project Manager. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project. **Construction Fee is approximately \$28 million.**

SR 83 (US 331), Walton County, Florida, FDOT District Three. Roadway Engineer-of-Record. Responsible for the roadway design and quality control for the roadway design elements on the project. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. This roadway is designated as an FIHS roadway. The roadway design was challenging due to the existing high water table and the rapid rate of development in the area. **Construction Fee is approximately \$38 million.**

SR 115 Resurfacing, Restoration, and Rehabilitation (RRR), Duval County, Florida, FDOT District Two. Project Manager and Engineer

of Record. This is an urban RRR project. The roadway is a four lane divided roadway, with service roads along the left and right roadway. Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also provided Quality Control for the traffic control and roadway design. **Construction Fee is approximately \$5.5 million.**

SR A1A, St. John's County, FDOT District Two. Engineer of Record. This project for FDOT District Two involves widening SR A1A (US 1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR 210. The Phase I design included determining whether the proposed drainage design could be accommodated within the existing right-of way and developing Phase I (30%) plans. The Phase II scope of services will include developing Phase II (60%) plans for acquiring permits and determining right-of-way requirements. This is a high-profile project with public involvement, which includes environmental groups and communities such as Ponte Vedra. **Construction Fee is approximately \$17 million.**

SR 212 (Beach Boulevard), Duval County, Florida, Jacksonville Transportation Authority. Project Manager/Roadway Engineer-of-Record. Responsible for project management and the roadway design and quality control for the roadway design elements on the project. The project involves the reconstruction of a combination four-lane, rural roadway and four-lane, divided urban roadway to a six-lane, divided urban roadway. The major task on the project is to replace the existing bascule bridge with two high level bridge structures. Due to the development along the project, the existing bridge replacement, and the high traffic volume on the project, traffic control was a major concern. **Construction Fee is approximately \$66 million.**

Clark Stephens, PE

Stormwater Engineering

Overview

Clark has 16 years' experience in the design and plans development of transportation projects. Responsibilities include project management, roadway design, stormwater systems design, stormwater/environmental permitting, bridge hydraulics/scour, traffic control design and signing and pavement marking design.

Areas of Expertise

Storm Systems Design
Storm Water/Environmental Permitting
Bridge Hydraulics/Scour

Years of Experience

With ECD: 9 Years
With Other Firms: 7 Years

Education

1994 / BS / Civil Engineering / Florida State University
FDOT Optional Pipe Materials Training
FDOT Basic Culvert Hydraulics Design Training
FDOT Specifications Training
Stream Stability and Scour at Bridges
Advanced Maintenance of Traffic Certification

Professional Registration

Florida PE Certification 54867

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Drainage Engineer of Record. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities include managing all aspects of the drainage design including 10 closed basin ponds, open swale and closed pipe conveyance system design, cross drain replacements, temporary drainage coordinated with traffic control, assisting in preparation of the BHR, preparation of the Pond Siting Report, and quality control. **Construction Fee is approximately \$27 million.**

SR 51, Dixie County, Florida, FDOT District Two. Roadway Engineer of Record. Project involves roadway widening, paved shoulder construction, milling and resurfacing, bridge replacement and existing bridge replacement with new box culverts. Responsibilities include roadway design, drainage design, prepared six bridge hydraulics reports, environmental permitting, pavement design, managing the plans production, traffic control, and quality control. **Construction Fee is approximately \$9 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Project Manager and Engineer of Record. Project involves constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities include all aspects of project management, roadway design, drainage design, environmental permitting, maintenance of traffic design, overseeing plans production, computation book preparation, electronic specification package, public involvement, and quality control. Public meetings were a part of this contract. **Construction Fee is approximately \$2.6 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three. Roadway Engineer of Record. Project involves milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include roadway design, drainage design, plans production, traffic control, pavement design, quality control, public involvement, and environmental permitting. **Construction Fee is approximately \$1.6 million.**

SR 313, St. Johns County, Florida, FDOT, District Two. Drainage Engineer of Record. This project involves 5.2 miles of new alignment,

controlled access roadway from SR-16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Coordination with the ARC as well as SJRWMD is required. Responsibilities include managing all aspects of the drainage design including ponds, open swale conveyance system design, cross drains, temporary drainage coordinated with traffic control, preparation of the Pond Siting Report and quality control. **Construction Fee is approximately \$86 million**

SR 103, Duval County, Florida, FDOT District Two. Engineer of Record. This project involves drainage improvements to a four lane urban section. Responsibilities included analysis of existing drainage system including preparation of report, design of closed pipe collection and conveyance system, traffic control analysis/design, and specification package. **Construction Fee is approximately \$17 million.**

SR 30A, Gulf County, Florida, FDOT District Three. Project Manager. This project involves two rural bridge replacements along this coastal roadway which included roadway widening, approach construction, an off-site detour route and an on-site diversion. This project is on an accelerated schedule and involves coordination with the Central Office Structures Department and District staff. Responsibilities include managing all roadway and drainage aspects of the project including bridge hydraulics, roadway design, traffic control analysis/design, signing and pavement marking design, and quality control. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Drainage Engineer of Record. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include managing all aspects of the drainage design including ponds, open swale conveyance system design, cross drains, temporary drainage coordinated with traffic control, preparation of the Pond Siting Report and quality control. **Construction Fee is approximately \$30 million.**

SR 79 Washington County, Florida, FDOT District Three. Drainage Engineer of Record. Project involves the reconstruction of a two-lane, rural roadway. Responsibilities include all aspects of drainage design including design of stormwater management facilities, open ditch conveyance systems, closed pipe systems, bypass ditch and cross drains, environmental permitting and quality control. **Construction Fee is approximately \$28 million.**

SR A1A, St. Johns County, Florida, FDOT District Two. Drainage Engineer of Record. Project involves widening the roadway along SR A1A (US 1) from two to four lanes, from Mickler Road to CR 210. Responsibilities include preparation of the drainage design and environmental permitting. The drainage design included closed pipe and open ditch conveyance systems, liner ponds, plans production, quantities

estimation and quality control.

SR 212, McCormick Bridge over ICWW, Duval County, Florida, Jacksonville Transportation Authority. Drainage Engineer of Record. Project involves widening the roadway along SR 212 (Beach Boulevard) from four to six lanes, from east of San Pablo Road to 9th St. Responsibilities include preparation of the Bridge Hydraulics Report, drainage design and environmental permitting. The drainage design included closed pipe and open ditch conveyance systems, two stormwater management facilities, temporary drainage coordinated with traffic control, plans production, quantities estimation, public involvement, and quality control. Public meetings were a part of this contract. **Construction Fee is approximately \$66 million.**

Miscellaneous Drainage Contract (C-8M02), Florida, FDOT District Three. Project Manager and Engineer of Record. Reviewed and provided comments on consultant's drainage plans, calculations and Bridge Hydraulic Reports. Designed drainage improvements and prepared construction plan set to cure outfall failure at SR 10 in Defuniak Springs. Managed basin study of existing flooding problems and recommended improvements to reduce flooding on SR 61 in Leon County. **Design Fee is approximately \$0.24 million.**

Walt Dodson, PE

Stormwater Engineering

Overview

Walt has 13 years' experience in the design and plans development of transportation projects. Responsibilities include roadway design, storm systems design, storm water/environmental permitting, bridge hydraulics/scour, traffic control design, signing and pavement marking design.

Areas of Expertise

Storm Systems Design
Storm Water/Environmental Permitting
Bridge Hydraulics/Scour

Years of Experience

With ECD: 13 Years

Education

1997 / BS / Civil Engineering / Florida State University

Stream Stability and Scour at Bridges

WSPRO Water-Surface Profile Computations Training

FDOT Specifications Training

Advanced Maintenance of Traffic Certification

Registration

Florida PE Certification 60060

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Drainage Engineer. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities include drainage design including 10 closed basin ponds, floodplain compensation, open swale and closed pipe conveyance system design, cross drain replacements, temporary drainage coordinated with traffic control, assisting in preparation of the BHR and assisting in the preparation of the Pond Siting Report. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Engineer of Record. Project involves roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include roadway design, drainage design, environmental permitting, pavement design, managing the plans production, traffic control, and quality control. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Drainage Engineer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Responsibilities included drainage design and environmental permitting. **Construction Fee is approximately \$9 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Drainage Engineer. Project involved constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities included drainage design and environmental permitting. **Construction Fee is approximately \$2.6 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Drainage Engineer of Record. Project involves milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include drainage design, roadway plans, drainage structures, drainage ditch design and permitting. **Construction Fee is approximately \$ 2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three.

Drainage Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements.

Responsibilities included drainage design and environmental permitting.

Construction Fee is approximately \$1.6 million.

SR 313, St. Johns County, Florida, FDOT, District Two.

Drainage Engineer. This project involves 5.2 miles of new alignment, controlled access roadway from SR 16 to US 1. The proposed roadway is a divided, four-lane rural roadway. The project included one at-grade intersection (SR 16), two grade separations (Woodlawn Road & FEC Railroad/US 1), and an interchange at US 1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Assisted with drainage design and roadway plans development. **Construction Fee is approximately \$86 million.**

Miscellaneous Drainage Contract (C-8M02), Florida, FDOT

District Three. Drainage Engineer. Reviewed and provided comments on consultant's drainage plans, calculations and Bridge Hydraulic Reports. Engineer of Record on basin study of existing flooding problems and recommended improvements to reduce flooding on SR 61 in Leon County. **Design Fee is approximately \$0.24 million.**

SR 30A, Gulf County, Florida, FDOT District Three.

Drainage Engineer. This project involves two rural bridge replacements along this coastal roadway which included roadway widening, approach construction, an off-site detour route and an on-site diversion. This project is on an accelerated schedule and involves coordination with the Central Office Structures Department and District staff. Responsibilities include bridge hydraulics and the drainage design. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three.

Roadway/Drainage Engineer. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety improvements and signing and pavement marking plans. Responsibilities include roadway and minor drainage design, roadway plans development, permitting and roadway computation book preparation. **Construction Fee is approximately \$0.5 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Drainage Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Assisted with drainage design and roadway plans development. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Drainage Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include Engineer of Record on the Pond Siting Report (included six pond sites) and assisting in the drainage design of the project. **Construction Fee is approximately \$28 million.**

SR 115 (Southside Boulevard), Duval County, Florida, FDOT District Two. Roadway/Drainage Engineer. Project involves milling and resurfacing the existing four-lane divided rural and urban roadway

including adjacent service roads. Project also includes minor safety, drainage, signalization and lighting improvements. Responsibilities include roadway design, roadway plans development and drainage design. **Construction Fee is approximately \$5.5 million.**

SR A1A, St. John's County, FDOT District Two. Drainage Engineer. This project for FDOT District Two involves widening SR A1A (US 1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR 210. Responsibilities include preparation of the drainage design and environmental permitting. The drainage design included closed pipe and open ditch conveyance systems, liner ponds, plans production and quantities estimation. **Construction Fee is approximately \$17 million.**

S.R. 212 (Beach Blvd.) over ICWW, Duval County, Florida, FDOT District Two. Drainage Engineer. This project was an urban bridge replacement and reconstruction of an existing four-lane divided roadway to a six-lane divided urban roadway. Responsibilities include the drainage design of closed pipe and open ditch conveyance systems, two stormwater management facilities, temporary drainage coordinated with traffic control, plans production and quantities estimation. **Construction Fee is approximately \$66 million.**

Miscellaneous Drainage Contract, Florida, FDOT District Three. Drainage Engineer. Performed Location Hydraulics Report for US 29 in Pensacola, Florida. Reviewed and provided comments on consultant drainage plans. Coordinated and obtained Stormwater Operating Permits from the City of Tallahassee on existing FDOT stormwater facilities. Coordinated and obtained stormwater permits from the Florida Department of Environmental Protection (FDEP) on existing FDOT stormwater facilities. Developed and provided a Handbook (Guidelines) for the Rehabilitation of Storm Sewer Systems and Maintenance of Stormwater facilities. Developed drainage plans for NRCS (Natural Resources Conservation Service) for the rehabilitation/stabilization of the Courtney Gully, located in Okaloosa County. Performed a two-dimensional analysis using the Army Corps of Engineers (ACOE) hydraulic program, RMA-2 for the hydraulic and scour analysis of three bridges along CR 166 in Washington County. **Design Fee is approximately \$0.5 million.**

Adam Grantham, EI

Stormwater Engineering

Areas of Expertise

Storm Systems Design

Storm Water/Environmental Permitting

Bridge Hydraulics/Scour

Years of Experience

With ECD: 4 Years

Education

2006 / BS / Civil Engineering / Florida State University

Registration

Alabama EI Certificate 14871

Overview

Adam has 4 years of experience in the design and analysis of stormwater conveyance systems, stormwater management systems, stormwater/environmental permitting, plans production, roadway design, traffic control design, and signing and pavement marking design.

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Drainage Engineer. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). Responsibilities include involvement with roadway design, drainage design and plans production. **Construction Fee is approximately \$27 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Drainage/Roadway Engineer. Project involves constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities include assisting with roadway design, drainage design, computation book preparation and plans production. **Construction Fee is approximately \$2.6 million.**

SR 115 (Southside Boulevard) Resurfacing, Restoration, and Rehabilitation (RRR), Duval County, Florida, FDOT District Two. Roadway Engineer. Project involves milling and resurfacing the existing four-lane divided rural and urban roadway including adjacent service roads. Project also includes minor safety, drainage, signalization and lighting improvements. Responsibilities include roadway design, roadway plans development, signing and pavement markings development and computation book preparation. **Construction Fee is approximately \$5.5 million.**

SR 313, St. Johns County, Florida, FDOT, District Two. Drainage Engineer. Project involves the construction of a new rural four-lane divided limited access roadway from SR 16 to US 1. Responsibilities include assisting with roadway design, drainage design and plans production. **Construction Fee is approximately \$86 million.**

Miscellaneous Drainage Contract (C-8M02), Florida, FDOT District Three. The project involved a basin study of existing flooding problems and recommended improvements to reduce flooding on SR 61 in Leon County. Responsibilities include assisting with calculations and field reviews. **Design Fee is approximately \$0.24 million.**

SR 30A, Gulf County, Florida, FDOT District Three. Roadway Engineer. The project involves two rural bridge replacements, roadway widening, approach construction, a detour route and an on-site diversion. This project is on an accelerated schedule and involves coordination with

the Central Office Structures Department. Responsibilities include assisting with the production of the bridge hydraulic recommendations sheets. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. Roadway Engineer. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety and signing and pavement marking improvements. Responsibilities include roadway plans development and signing and pavement marking plans development. **Construction Fee is approximately \$0.5 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Drainage/Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include drainage design, roadway plans development signing and pavement marking plans development. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Drainage/Roadway Engineer. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include involvement with roadway design, drainage design, plans production and computation book preparation. **Construction Fee is approximately \$2.6 million.**

SR 83 (US 331), Walton County, Florida, FDOT District Three. Roadway Engineer. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. This roadway is designated as an FIHS roadway. Responsibilities include assisting with roadway design and plans production. **Construction Fee is approximately \$38 million.**



Robert Johnson, Jr., PE

Stormwater Engineering

Areas of Expertise

Water Resources
Stormwater Management Systems

Years of Experience

With URS: 23 Years
With Other Firms: 6 Years

Education

1981 / BS / Environmental
Engineering / University of Florida

Registration/Certification

1988/Professional Engineer/
Florida #39521

Overview

Mr. Johnson specializes in project management and technical performance of planning, analysis, design, and permitting for water resources projects and stormwater management systems. His expertise in water resources and environmental engineering includes hydrology, hydraulics, stormwater management, water quality modeling, bridge scour, cost estimating, NPDES SWPPP preparation, wetland mitigation design, and use of computer models and methods for hydrologic and hydraulic evaluations. Typical project experience is provided below.

Project Specific Experience

Project Manager, Brooker Creek Watershed Management Plan, Pinellas County, Florida (2004-Present): Managing the development of a stormwater management plan for the Brooker Creek watershed. The project is being completed for Southwest Florida Water Management District (SWFWMD) and Pinellas County and includes defining the existing stormwater system, identifying flooding and water quality problems, hydrologic/hydraulic modeling, identifying natural systems, developing alternative improvements, cost estimates, public meetings, GIS mapping and database development, FEMA floodplain mapping, and report preparation. **Construction Cost: \$812,000**

Project Manager, East Pasco Watershed Management Plan, Pasco County, Florida (2004-Present): Managing the development of a stormwater management plan for the East Pasco watershed. The project is being completed for Southwest Florida Water Management District (SWFWMD) and Pasco County and includes defining the existing stormwater system, identifying flooding and water quality problems, hydrologic/hydraulic modeling, identifying natural systems, developing alternative improvements, cost estimates, public meetings, GIS mapping and database development, FEMA floodplain mapping, and report preparation. **Study Fee: \$330,000**

Project Manager, Spring Hill Lakes Watershed Management Plan, Hernando County, Florida (2003-Present): Managing the development of a stormwater management plan for the Spring Hill Lakes watershed. The project is being completed for Southwest Florida Water Management District (SWFWMD) and Hernando County and includes defining the existing stormwater system, identifying flooding and water quality problems, hydrologic/hydraulic modeling, identifying natural systems, developing alternative improvements, cost estimates, public meetings, GIS mapping and database development, FEMA floodplain mapping, and report preparation. **Study Fee: 301,000**

Project Manager, Roseland Park Roadway Evaluation and Drainage Study, City of Plant City, Florida: Under contract to the City of Plant City, URS is developing a Roadway Evaluation and Drainage Study of Roseland Park Subdivision, which was built in the 1950's. The major

emphasis of the study is to evaluate the potential impacts of drainage improvements on the roadway, and the potable water and wastewater systems caused by the installation of the proposed stormwater collection and conveyance system, and to determine the probable costs of the necessary improvements. The drainage study will include the delineation of drainage basins, rainfall volumes, design storm events, offsite flows, tailwater elevation, and peak stages and flows. The study will be conducted using AdICPR modeling software to develop the hydraulic and hydrologic model. Areas where flooding exceeds the desired Level of Service (LOS) criteria specified by the City will be identified. The Report will provide alternative BMP recommendations to reduce the flooding conditions found in the problem areas in order to meet the desired Levels of Service. Cost estimates will be prepared to identify the proposed costs of the improvements. **Study Fee: \$70,000**

Senior Engineer QA/QC, 30th Avenue North Storm Drainage Improvements, St. Petersburg, Florida: Prepared plans and obtained necessary permits for the design of 4,200 feet of new 72-inch storm water pipe along 30th Avenue North, 28th Avenue North, and 29th Street North, associated stormwater inlets, collection piping, and a Suntree nutrient separating baffle box (water quality LID application) to alleviate flooding during significant storm events in a densely populated area of both residential and commercial properties. URS also obtained a CSX railroad permit. Specific responsibilities included: design coordination, project deliverables, schedule, budget, subconsultants and client and City coordination. **Construction Cost: \$3.5 M**

Project Manager, Northwest Florida Water Management District (NFWFMD) FEMA Map Modernization Program, Florida (2004-Present): Managing the development of the NFWFMD FEMA Map Modernization Program in the panhandle of Florida. The project includes Business Plan development, County and municipality coordination, identification of DFIRM mapping schedules and costs, IT requirements, Business Plan report development, and FEMA and NFWFMD coordination. The plan resulted in a Map Modernization Program funding need in excess of \$1.1 million annually (5-year program) which will include a combination of DFIRM production for the 16-County area outreach, program management, and IT structure development. **Study Fee: \$2 M**

Project Manager, Miscellaneous Hillsborough County Drainage Projects, Florida (2000-2007): This project consisted of over 15 drainage design projects for Hillsborough County, including storm sewer system designs, culvert designs, outfall ditch designs, detention pond design, and water quality improvement design. Project tasks included construction plan preparation, permitting, public involvement, cost estimates, specifications, and regulatory agency coordination. **Construction Cost: \$2.8 M**



Chris Reed, Ph.D.

Stormwater Engineering

Areas of Expertise

Water Quality
Watershed Modeling
Water Quality Modeling
Surface Water Modeling
Ground Water Modeling
Water Resources
Coastal Processes
Sediment Dynamics
Physical Oceanography
Numerical Modeling
Sediment Transport & Coastal Modeling
Oceanographic Modeling
Coastal Sediment Dynamics
Hydrodynamics

Years of Experience

With URS: 14 Years
With Other Firms: 8 Years

Education

1988 / Post Doctorate Studies,
Coastal Engineering Department /
University of Florida
1987 / PhD / Engineering Science
and Mechanics / University of
Florida
1984 / MS / Engineering Science
and Mechanics / University of
Florida
1982 / BS / Engineering Sciences /
Georgia Institute of Technology

Overview

Dr. Reed has 22 years experience in conducting coastal and oceanographic hydrodynamic and sediment transport studies, feasibility studies and design analysis. His modeling experience includes surf-zone transport and inlet dynamics. He has also conducted numerous hydrodynamic and water quality studies in tidally and wind dominated coastal regions along the Atlantic, Pacific and Gulf coasts. He has focused on the development and application of purpose-built one, two- and three-dimensional sediment transport models for specialized applications in these areas. He has also developed and applied hydrodynamic models for circulation, sediment transport, water quality studies, surf zone transport, inlet dynamics, and storm surge analysis. Dr. Reed is also experienced in the application of standard process-based transport models including the SMS models RMA2 & 4, ADCIRC, M2D, as well as HSPF and the HEC suite of models. He is a co-author on the M2D model hydrodynamic and sediment transport model, which is part of the USACE supported SMS software package. Dr. Reed has applied these models for industrial clients and governmental agencies and often coordinates with academic institutions.

Dr. Reed is experienced with the design and implementation of field measurement programs, data collection and data analysis techniques. He has designed and participated in field measurement projects for obtaining boundary, calibration and validation data for modeling purposes. Additionally, he has been involved in the graphical presentation, analysis and interpretation of sediment core chemical and physical data, radiating, hydrodynamic, bathymetric, sediment transport data.

Project Specific Experience

Klosterman Bayou TMDL Development, Florida Department of Environmental Protection, Watershed Division. The FDEP is currently developing nutrient TMDLs for the Klosterman Bayou, which is located along the west coast of Florida and drains to St. Joseph Bay. URS is applying the HSPF and EFDC models to aid in the TMDL development. The models have been calibrated to historical flow, salinity and nutrient data collected in the watershed and Bayou. The calibrated and validated models have been used by the FDEP to set TMDLs, and URS is currently supporting the FDEP in public meetings. **Project Value: \$165K**

Saint Lucie Estuary TMDL, Florida Department of Environmental Protection, Watershed Division. The FDEP is currently preparing a TMDL for Dissolved Oxygen (DO) in the North and South Fork of the Saint Lucie Estuary, which is located along the East coast of south Florida. The estuary is tidal and receives discharges and non-point source nutrient loads from numerous basins comprised of mostly of urban, agricultural and wetland land uses with a significant level of structurally-controlled discharges used for flood and groundwater elevation control, as

well as irrigation demands. URS is applying the WaSh hydrologic and water quality model as a tool for developing the TMDL. The model has been calibrated to long term daily flow and monthly water quality data collected in the SLE, as well as short-term synoptic data sets collected in other water bodies. The model calibration is a relatively large effort, since the upstream contributions encompass a number of gauged and ungauged basins, some of which have little or no water quality data to provide upstream nutrient, D.O. and CBOD boundary conditions. Thus, it is necessary to calibrate the WaSh model for numerous basins, including The North Fork Basin (which contains the North Fork of the SLE), as well many other upstream basins that drain into the SLE. Additionally, the influence of contributions from the South Fork, and Lake Okeechobee have been considered, and represented in the modeling effort. **Project Value: \$260K**

Comprehensive Everglades Restoration – C-100 Basin Landfill Leachate Analysis, South Florida Water Management District. Dr. Reed is supporting the SFWMD in developing feasible designs for altering the alignment and operation of various canal systems that drain low lying lands in south Florida. For one particular canal and structure, there was concern that the re-routing of the canal flow through constructed wetlands would lower the canal levels in a connected stem in the vicinity of a nitrate landfill. The particular concern was that the lower canal levels would promote more groundwater discharge from the adjacent landfill and increase the nitrogen load to the canal, and ultimately to the sensitive Biscayne Bay ecosystem. A coupled hydraulic, hydrodynamic and hydrologic modeling analysis was conducted using both the HEC-RMS and the WaSh model to determine the effects of the flow re-routing. Historical flow, stage and rainfall data were review to determine design scenarios and the models were used to assess the potential impact. In addition to a significant model analysis, the project required a large degree of geological investigation to characterize the karst substrate and its effect on coupled surface water/groundwater interactions. The results of the analysis indicated that the drawdown on canal stage was not significant and could be mitigated by minor adjustments to the operation of the pumps used to re-route the flow. **Project Value: \$55K**

Modeling Team Leader, Mixing Zone Analysis for Copper in the Escambia River, Solutia, Inc. A mixing zone analysis for copper was conducted for Solutia's heated discharge into the Escambia River to determine if the mixing zone would comply with EPA limits. A data collection plan was designed and implemented to obtain background levels of copper and water hardness. Salinity data was obtained from existing reports to determine the effects of salt intrusion on the flow and develop the design conditions for the mixing zone analysis. **Project Value: \$45K**



Bikash Saha, PE

Senior Staff Engineer

Areas of Expertise

Computational Hydrodynamics
Eco Hydraulics
Hydrology
River, Estuary, and Coastal
Dynamics
Water Quality Modeling
Sediment Dynamics in River and
Coastal Waters
GIS-based Modeling

Years of Experience

With URS: 5 Year
With Other Firms: 9 Years

Education

2006 / MS / Civil Engineering,
Tennessee Technological
University
1995 / BS / Civil Engineering,
Bangladesh University of
Engineering and Technology

Overview

Mr. Saha has 14 years of experience in computational hydrodynamics and in planning and design of water resources projects. He has worked extensively in hydrological data management and PMP analyses, hydraulic modeling, estuary and coastal processes under different hydro-meteorological conditions, storm surge modeling, sediment transport and shoreline change modeling, and water quality modeling.

Mr. Saha works extensively with the following modeling software programs: ADCIRC, CMS, RMA2/4, FESWMS, HEC-RAS, HEC-HMS, XPswmm, WinHSPF, ACES, STWAVE, EFDC, GENESIS, SLOSH, MIKE11/21/3, and MIKE21c.

Specific Project Experience

Modeler, Raymond Tucker Road Drainage Project, Leon County, FL. Performed runoff modeling for different rainfall events using XPswmm. Developed and calibrated the model to assess the effectiveness of existing road drainage structures. Project Value: \$95K

Team Member, Watershed Water Quality Model Development and Implementation for Loxahatchee Basin, South Florida Water Management District. Developed a watershed water quality model for the basin from existing technology. The activities included: i) time series output of nitrogen, phosphorous, and suspended solids at basin outfalls ii) the inclusion of a graphical user interface(GUI) that uses Geographic Information System (GIS) technology, and iii) evaluation of watershed management strategies on reducing pollutant loads. Project Value: \$49K

Modeler, Compartment C Build-outs for STA-5 & 6, South Florida Water Management District. Performed hydrologic and hydraulic modeling for over 800 acres of constructed wetland treatment areas. Analyses include evaluation of hydraulic conveyance and assessment of flood reduction alternatives, and flooding effects (including dam break) for over 50 miles of canals spanning a 400 square mile region, south of Lake Okeechobee. Developed a HEC-RAS dynamic model of the combined canal and flow-way system which included parallel flow paths and over 50 hydraulic structures. The analyses also included 2-D hydrodynamic modeling of the wetlands flow system using FESWMS. Project Value: Unknown. Worked on project for another URS Office.

Modeler, Hydrologic & Hydraulic Modeling for the C-11 Impoundment Project, South Florida Water Management District. Performed hydrologic and hydraulic modeling for a 4,900 ac-ft stormwater reservoir in the C-11 basin in Broward County, FL using HEC-HMS and HEC-RAS. Analyses include evaluation of hydraulic conveyance and flooding effects for existing and proposed canals around the 72 square mile drainage basin. Project Value: \$82K

Team Member, SLOSH Model Development, Florida Department Community Affairs /Florida Department of Emergency



Management. Worked to update SLOSH basin grids of Florida coasts maintaining the guidelines provided by National Weather Service (NWS). The ultimate purpose of the study was to run SLOSH model using updated grids with historical hurricanes and make those grids ready for future use in evacuation planning. Project Value: \$44K



Brandon Linville, EI

Stormwater Engineering

Areas of Expertise

Stormwater Management
Stormwater Conveyance Design
Roadway Design
Site Development Design

Years of Experience

With URS: 1 Year
With Other Firms: 3 Years

Education

2007 / BS / Civil Engineering

Registration/Certification

2007 / Florida EI #23107

Overview

Mr. Linville has almost 4 years of experience in the planning, design, permitting of civil engineering projects and related fields, including site and roadway design. He specializes in the design of stormwater management facilities; treatment system design and permitting; roadway design; development, subdivision and street planning and design; and water distribution and wastewater and reuse systems design. Mr. Linville's professional engineering experience includes working with firms that provide services for both the public and private sectors. Mr. Linville has worked on FDOT roadway projects in both the planning and the design phases. He has also worked with numerous private developers on site development design projects.

Project Specific Experience

Project Engineer, Sharer Road Outfall Improvements, Leon County, FL. Performed hydraulic analysis, prepared construction plans and permitting documents for a new ditch outfall in Leon County serving a residential drainage basin. **Dollar Value: \$100,000 estimated construction cost.**

Project Engineer, Talpeco Road Intersection Improvements, Leon County, FL. Prepared roadway and stormwater design, construction plans, and permitting documents for a new turn lane at an intersection located in Leon County. **Dollar Value: \$200,000 estimated construction cost.**

Project Engineer, Raymond Tucker Road Drainage Improvements, Leon County, FL. Developed a model of an existing 1,000-acre watershed to analyze the impacts of the critical duration storm event on several roadways with a history of overtopping. Provided construction plans and permitting documents for upgrades to the cross drains and new roadway sections. **Dollar Value: \$400,000 estimated construction cost.**

Project Engineer, Upper Lake Lafayette Nutrient Reduction Facility, City of Tallahassee, FL. Provided site and stormwater design and construction plans in support of a new alum treatment facility in Tallahassee, FL. **Dollar Value: \$5.7 million estimated construction cost.**

Project Engineer, 11TH Avenue Roadway Design, Deltona, FL. Provided construction plans for newly designed two-lane rural industrial access road including geometric design of roadway and stormwater conveyance. **Dollar Value: unknown.**

Project Engineer, ARRA Alabama River Parks Project, AL. Provided construction plans and quantities for the renovation of several parks and campgrounds operated by the Army Corps of Engineers along the Alabama River, including site design at several park offices to be renovated, pavement repair and replacement, striping and pavement marking, re-grading, and utility design. **Dollar Value: unknown.**



Project Engineer, Dixon Blvd, City of Cocoa, FL. Assisted in the design phases of proposed drainage system in Cocoa, FL. Developed project plan set, stormwater management report, and performed engineering calculations required for permitting. **Dollar Value: unknown.**

Project Engineer, Pinestead-Longleaf Corridor Roadway Design, Escambia Co., FL. Assisted in the planning and design phases of proposed roadway alignment in Escambia County, FL. Developed project plan sets, reports, and performed engineering calculations. **Dollar Value: unknown.**

Project Engineer, Robindale Subdivision Drainage Improvements, City of Springfield, FL. Designed and permitted a storm sewer retrofit throughout an old subdivision prone to flooding. Developed project plan set and construction documents. Provided engineering services during construction. **Dollar Value: unknown.**

Project Engineer, Destin Water Users Permit Renewal, Destin, FL. Prepared and submitted to FDEP a permit renewal package for a wastewater treatment facility including Capacity Analysis Report and Operations and Maintenance Report. **Dollar Value: unknown.**

Tab D – Stormwater Work Category

Experience with Projects of a Similar Type and Size

Directly following this section are 10 projects performed by EC Driver or URS that best illustrates our stormwater engineering experience with the current staff being proposed for this work category.

Work Currently Under Contract

Listed below are the names and descriptions of current projects that demonstrates EC Driver and URS experience for this work category.

Project Name / Location	Client Name	Description of Services	Estimated Completion Date
Miscellaneous Drainage Districtwide	FDOT District Three	This project involves acting as the Districts Drainage Consultant to assist the District drainage department with any type of task. Some of these tasks include: (1) review of consultant plans and drainage calculations; (2) preparation of bridge hydraulic reports; (3) review of drainage connection permits; (3) perform drainage studies; (4) develop plans/ recommendations for erosion of outfalls.	December 17, 2015
30th Avenue and 29th Street Drainage Improvements St. Petersburg, Florida	City of St. Petersburg	URS was selected by the City of St. Petersburg to prepare construction plans, modeling and environmental and railroad permits for the design of 4200 feet of large diameter (60-inch) primary stormwater pipe, associated inlets, collection pipe and a Suntree nutrient separating baffle box.	June 30, 2011
East Morgan Street and Parsons Avenue Drainage Improvements Brandon, Florida	Hillsborough County	URS prepared construction plans and permits for the design of 2600 LF of stormwater force main and pump station, gravity piping and swales, and a water quality treatment pond to alleviate street and yard flooding.	December 31, 2011
Thorton Branch Watershed Management Plan DeSoto, Florida	Southwest Florida Water Management District	URS is developing a watershed management plan for 20-mile watershed. Included data collection, field survey, modeling, floodplain mapping, GIS database development, public involvement.	May 31, 2011

Tab D – Stormwater Work Category

Project Name / Location	Client Name	Description of Services	Estimated Completion Date
FEMA Map Modernization 16 Counties Throughout Northwest Florida	Northwest Florida Water Management District	URS is providing Digital Flood Insurance Rate Maps (DFIRM) and new flood studies and modeling for selected streams in 16 Counties. Included surveying, riverine flood analysis, floodplain mapping, GIS database development, public outreach.	July 2014
FDOT Mitigation Program Environmental Services Districtwide	Southwest Florida Water Management District	URS is providing SWFWMD environmental services for the administration of the FDOT mitigation program. Included habitat evaluation and mitigation plan preparation, permitting assistance, mitigation site monitoring and maintenance.	May 2012

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
<p>Miscellaneous Drainage Contract Districtwide FDOT District Three</p>	<p>Jim Kapinos FDOT District Three 1074 Highway 90 Chipley, FL 32428 850.415.9430</p>	<p>EC Driver is FDOT's District Three Drainage Consultant which involves assisting the District drainage department with any type of task. Responsibilities included (1) reviewing and providing comments on consultant's drainage plans, calculations and Bridge Hydraulic Reports (2) Designed drainage improvements and prepared construction plan set to cure an outfall failure on SR 10 in Defuniak Springs (3) Performed basin study of existing flooding problems and recommended improvements to reduce flooding on SR 61 in Leon County (4) Provided roadway plans for two rural bridge replacements located on SR 30A in Gulf County. This coastal roadway project included roadway widening, approach construction, an off-site detour route and an on-site diversion. This project was on an accelerated schedule and involved coordination with the Central Office Structures Department and District staff (5) Designed drainage improvements and prepared construction plan set to cure an outfall failure on SR 20 in Calhoun County.</p> <p>Project Team: : Clark Stephens, Project Manager/EOR; Don Padgett, Lead Roadway Engineer; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer; Adam Grantham, Drainage Engineer; Walt Dodson, Drainage Engineer; James Johnson, Drainage Engineer</p>	<p>June 2011</p>
<p>SR 103 Duval County, FL</p>	<p>Richard Moss FDOT District Two 1109 South Marion Avenue Lake City, FL 32025 386.961.7823</p>	<p>EC Driver designed drainage improvements to a four lane urban section from station 23+60 to station 24+00. Responsibilities included analysis of existing drainage system including preparation of report, design of closed pipe collection and conveyance system as well as traffic control analysis/design.</p> <p>Project Team: Luis Maldonado, Project Manager, Clark Stephens, Lead Drainage Engineer/EOR, David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer</p>	<p>April 4, 2009</p>
<p>SR 207 St. Johns County, FL</p>	<p>Richard Moss FDOT District Two 1109 South Marion Avenue Lake City, FL 32025 386.961.7823</p>	<p>The SR 207 project consisted of two projects. EC Driver conducted a drainage impact study to address off-site flooding on SR 207 from CR 305 to just north of Bull Bay Road, approximately 1.5 miles. The study included an evaluation of pre-development versus post-development conditions. Once the study was completed, construction plans were developed to address the off-site flooding. Construction methods used to address the flooding included constructing linear swales and jacking and boring of cross drain pipes to provide positive conveyance. In addition, a groundwater study for drawdown analysis was required as part of the permit for assessing groundwater impact from re-establishment of linear swales. Responsibilities included evaluation of pre-development versus post-development</p>	<p>November 29, 2010</p>

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
		<p>conditions and development of the plans which included coordination with FM 210286-4-52-01, a project for developing construction plans for work along the Palatka Rails to Trails and another project.</p> <p>The second project included developing a set of construction plans to address the off-site flooding from the Palatka trail crossing of SR 207 to a point approximately 0.5 miles north. The construction plans included constructing linear swales. In addition, a groundwater study for drawdown analysis was required as part of the permit for assessing groundwater impact from re-establishment of linear swales. Responsibilities included development of the plans and coordination with SJRWMD and USACOE was required to obtain the permit for these projects.</p> <p>Project Team: Luis Maldonado, Project Manager/EOR; Clark Stephens, Drainage Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer</p>	
<p>Hendry County Surface Water Management Plan Hendry County, Florida</p>	<p>Hendry County Board of County Commissioners</p> <p>R. Shane Parker, PE Hendry County Engineer 99 E Cowboy Way LaBelle, Florida 33975 863.675.5222</p>	<p>As part of a cooperative Hendry County and South Florida Water Management District (SFWMD) agreement, URS developed a Surface Water Management Plan for selected areas of Hendry County, Florida. The plan was developed to address existing flooding conditions in various watersheds in northwest Hendry County. The components of the Surface Water Management Plan included defining the existing stormwater management system, the development of watershed boundaries, wetland maps, a conveyance element database, and detailed hydrologic-hydraulic studies utilizing the AdICPR modeling software to determine existing water surface profiles for selected study reaches of the County. The development of the watershed boundary and the conveyance element database was accomplished by researching LIDAR based topographic data, aerial photographs, Hendry County hydrography, and available reports from the Water Control Districts and Municipal Service Benefit Units (MSBU).</p> <p>The areas where flooding exceeded the desired Level of Service (LOS) criteria specified by Hendry County were identified. The Master Plan provides recommendations to improve the hydraulic conditions found in the problem areas in order to meet the desired LOS. The replacement of undersized culverts in the problem areas is the preferred method outlined in the Master Plan to attain the desired LOS. Some areas where channel improvements would be necessary have also been identified, and water surface profiles for the proposed improvement projects have been determined.</p>	<p align="center">2004 – 2006</p>

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
<p>Jacksonville Naval Air Station Stormwater Master Plan Jacksonville, Florida</p>	<p>Naval Facilities Engineering Command Southeast Greg Benjock P.O. Box 30 Jacksonville, FL 32212 904.542.6263</p>	<p>Project Team: Robert Johnson, PE</p> <p>URS prepared a Stormwater Master Plan (SWMP) for the Naval Air Station in Jacksonville, Florida (NAS JAX) located in the city limits of Jacksonville, Florida at the southern end of Duval County on the western shore of the St. Johns River. NAS JAX needed a base wide management strategy to control storm water runoff from areas planned for future development. Therefore, a stormwater master plan for the base was performed and documented in this report. The objectives of the study involve analyzing the existing stormwater management systems and provide conceptual designs of best management practices (BMP's) to treat and attenuate stormwater runoff generated from future development projects in compliance with rules and regulations mandated by the St. Johns River Water Management District (SJRWMD). Tasks included field investigations, data collection, hydrologic/hydraulic modeling for existing and future development projects, BMP development for water quantity and quality, permit agency coordination, GIS/CADD mapping and report preparation. The study area encompasses approximately 1,981.14-acres, of which approximately 1,932.14-acres is within NAS JAX property and approximately 49 -acres is off-site property north of NAS JAX.</p> <p>The primary objective of the SWMP was to develop conceptual stormwater management systems, for future MILCON, BRAC, Special/Demolition SPAWARS and Seabees Projects. Another important objective of this SWMP was to develop a hydrologic/hydraulic model using the Advanced Interconnected Pond Routing (AdICPR) computer program for the existing drainage systems. The primary storm sewer systems within the study area at NAS JAX, such as the primary storm sewer trunk lines, open channels and most of the permitted stormwater management systems made up the hydraulic portions of the model.</p> <p>The recommended conceptual stormwater management systems included regional wet detention ponds, stormwater reuse systems, manhole treatment systems, underground storage systems, linear dry retention ponds and/or swales adjacent existing roadways. Porous pavement is also recommended to minimize the volume of runoff.</p> <p>Project Team: Robert Johnson, PE, Project Manager</p>	<p>2006 - 2007</p>

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
<p>Roseland Park Roadway Evaluation and Drainage Study Hillsborough County, Florida</p>	<p>City of Plant City Guillermo D. Nabong, PE Public Works Director 1802 Spooner Drive Plant City, Florida 33563 813.757.9288</p>	<p>URS developed a Roadway Evaluation and Drainage Study of Roseland Park Subdivision. This subdivision was built in the 1950's. The major emphasis of the study was to evaluate the potential impacts of drainage improvements on the roadway, and the potable water and wastewater systems caused by the installation of the proposed stormwater collection and conveyance system, and to determine the probable costs of the necessary improvements.</p> <p>The drainage study included the delineation of drainage basins, rainfall volumes, design storm events, offsite flows, roadway elevation and peak stages and flows. The study used AdICPR modeling software to develop the hydraulic/hydrologic model. The development of the drainage study will include researching LIDAR based topographic data, aerial photographs, existing area hydrography, existing surveys and engineering reports, available reports from the SWFWMD and existing permit data. The areas where flooding exceeds the desired Level of Service (LOS) criteria specified by the City will be identified. The report will provide alternative BMP recommendations to reduce the flooding conditions found in the problem areas in order to meet the desired LOS. Cost estimates will be prepared to identify the proposed costs of the improvements.</p> <p>Project Team: Robert Johnson, PE, Project Manager</p>	<p align="center">2009</p>
<p>Geiger Road Detention Pond Pasco County, Florida</p>	<p>Pasco County Mike Garrett, PE Project Manger 7530 Little Road New Port Richey, FL 34654 727.847.8142</p>	<p>The Geiger Road Pond is approximately 52 acres with a storage volume of approximately 512 acre-feet. The constructed pond will attenuate peak flows, provide water quality treatment and limit flooding conditions downstream. A slurry wall or clay core will be constructed around the pond perimeter to minimize impacts to adjacent wetlands and water table levels.</p> <p>Zephyr Creek enters the pond via the four 9-foot by 7-foot concrete box culverts (BCB) at the Zephyrhills Bypass Road. The flow is routed through a 2.2-acre sediment sump and through the realigned creek. The realigned Zephyr Creek channel has been designed to meander allowing for natural recruitment of wetland and transitional vegetation. A 60-foot wide littoral zone was created on either side of the creek's low-flow channel and planted with wetland herbaceous and shrub vegetation. The combination of various biotic communities: open water, herbaceous wetland, shrub, and forested communities, provides a diverse wetland system and enhances wildlife opportunities on-site.</p>	<p align="center">2005-2007</p>

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
<p>Pemberton Creek Water Quality Improvement Facilities Hillsborough County, Florida</p>	<p>Mr. Robert Wiseman, PE (Mr. Dan Putnam, PE former Project Manager no longer with County) Hillsborough County 601 E. Kennedy Blvd. Tampa, FL 33602 813.272.5312</p>	<p>Project Team: Robert Johnson, PE, Project Manager</p> <p>URS designed and obtained necessary permits for a 3.23-acre water quality treatment pond for Pemberton Creek.</p> <p>The proposed treatment pond system is an offline system. A diversion pipe will be constructed from Pemberton Creek to the pond system to divert a portion of water from Pemberton Creek during storm events to the proposed water quality pond. As the creek water elevation increases during storm events, water will enter the pipe and discharge to the sediment settling area. Following settling, the diverted flows are then passed over a broad crested weir into the large main pond/wetland system where nutrients and other pollutants are removed through vegetative uptake and further settling. The pond design included a littoral zone with native vegetation.</p> <p>The project included:</p> <ul style="list-style-type: none"> ▪ Environmental Site Analysis ▪ Project Development with Report ▪ Field Review and Data Collection ▪ Groundwater Analysis and Report ▪ Topographic Survey of Site ▪ Modeling and Drainage Calculations ▪ Utility Coordination ▪ Permitting Agency Coordination and Submittals ▪ Conduct Public Information Meeting <p>Project Team: Robert Johnson, PE, Project Manager</p>	<p>2003 - 2004</p>
<p>TMDL Development for the St. Lucie Estuary and Surrounding Basins</p>	<p>Beth Alvi Watershed Planning & Coordination Section Florida Department of Environmental Protection 2600 Blair Stone Road, MS 3565 Tallahassee, FL 32399-2700 850.245.8559</p>	<p>URS was contracted by the Florida Department of Environmental Protection to conduct modeling analysis in support of the Total Maximum Daily Load (TMDL) development for the St. Lucie Estuary watershed and surrounding basins. URS added the US EPA's WASP Eutro model to the WaSH hydrological model is applying it to develop TMDL for six basins and the St. Lucie Estuary in South Florida for the Florida Department of Environmental Protection (FDEP). URS developed and managed a field program to collect data in the estuary for model configuration and calibration. The model has recently been calibrated and is being installed at the FDEP offices for further TMDL development by FDEP</p>	<p>2009</p>

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
		<p>personnel. URS has made numerous presentations to review teams and public entities at the request of the FDEP in order to convey the modeling analysis results. We also provided training on the model setup and implementation.</p> <p>Project Team: Chris Reed, PhD, Project Manager and Bikash Saha, Modeler.</p>	
<p>Watershed Water Quality Model Development and Implementation</p>	<p>Yongshan Wan South Florida Water Management District 3301 Gun Club Road West Palm Beach, FL 33416-4680 561.682.2732</p>	<p>Over the last two decades ecological conditions in the St. Lucie estuary (SLE) and the Indian River Lagoon (IRL) have been the subject of intense public interest and debate. In response, the SFWMD is developing salinity, nutrient and total suspended solids Pollution Load Reduction Goals (PLRGs) and TMDLs for maintaining and restoring targeted ecological conditions in the IRL and SLE. In order to implement a full-scale pollutant load reduction program, watershed management strategies that will achieve the PLRGs need to be developed and evaluated for their potential effectiveness. A central tool for aiding in the development and evaluation of watershed management strategies is a watershed water quality model.</p> <p>The state-of-the-art in watershed water quality modeling has advanced rapidly and there are many single-purpose models existing which can meet the District needs. But, the complex interrelationship between surfacewater and groundwater in South Florida required a more comprehensive analysis than those existing models could provide. The primary purpose of this work was to develop from existing technology a watershed water quality model for selected basins in the SLE and IRL watersheds. The objective of the scope of work was to select, calibrate, verify and apply a watershed water quality model to ten basins in the SLE and IRL. The general requirements of the selected model are: (1) to provide time series output of nitrogen, phosphorous and suspended solids at basin outfalls, (2) the inclusion of a graphical user interface (GUI) that uses GIS and (3) the ability to evaluate watershed management strategies on reducing pollutant loads.</p> <p>The Scope of Work was divided into four Phases and was completed in sequence. In Phase 1, URS developed a recommendation for the most suitable model components. The steps conducted by URS in developing the recommendation include evaluating the capabilities of existing models, assessing the available data, determining the primary issues effecting water quality in the selected basins and documenting the SFWMD's constraints on accuracy, resources and time. The model components were assembled into a contiguous modeling framework named</p>	<p>2009</p>

EC Driver Team Project Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
		<p>WaSH. In Phase 2, URS conducted a pilot study of the WaSH model in order to evaluate their capabilities. The WaSH model was configured for one of the selected basins and then calibrated and verified. A sensitivity and uncertainty analysis was also conducted. In Phase 3, URS configured and implemented the model for the remainder of the selected basins. The model was calibrated for each basin and a sensitivity and uncertainty analysis was conducted. In Phase 4, URS trained the SFWMD staff on the use and application of the model. URS provided example implementations and a detailed description of the model to District staff. URS developed a highly customized GIS interface to manage input and output data for the WaSH model, as well as to analyze and report model results. The WaSH model was designed to help SFWMD develop salinity, nutrient and total suspended solids PLRGs in the Indian River Lagoon and St. Lucie Estuary. The application makes use of existing and legacy data, storing the results in formats that provide for data sharing. The WaSH model is now in use by the FDEP to establish TMDLs for several watersheds around Florida. URS continues to provide updates and refinement to the WaSH model under contract to both the SFWMD and FDEP.</p> <p>Project Team: Chris Reed, PhD, Project Manager and Bikash Saha, Modeler</p>	

Tab D – Stormwater Work Category

Process and Procedures

The EC Driver Team maintains a comprehensive library of all required standards, codes, rules, directives and specifications that support our multi-disciplinary design functions, covering virtually any possible requirement. This library is readily available in both digital and hardcopy formats and can be accessed by our staff at any time during the design process for a project. As peer reviews and QA/QC monitoring occurs during project designs, this library resource is well utilized to double check our design requirements and completeness of all submittals.

The professional and technical staff attend special workshops, seminars and continuing education courses to gain the latest knowledge of these code and regulatory requirements; and many of our professional staff members are certified instructors for these courses.

The EC Driver Team is familiar with and will use criteria and standards for stormwater design such as the FDOT Plans Preparation Manual, FDOT Drainage Manual, FDOT Design Standards, and FDOT Specifications.

Special Resources

The EC Driver Team has a wide variety of hardware and software systems that will support the tasks that may be assigned under this project. The table below details the computer resources available for this project.

THE EC DRIVER TEAM RESOURCES

RESOURCE	SOFTWARE	HARDWARE/OS	USES
GIS	ArcGIS 10 Workstation and Desktop (Spatial Analyst and 3D Analyst)	SUN Solaris Windows Server 2003 Windows XP Windows 7	Spatial data generation, processing and analysis, map library, topology/attribute editing of coverages or SDE layers, Visual Basic applications, data QA/QC, 3D data visualization, data/ deliverable transfer format
	ArcGIS Server 9.3.1 with Microsoft .Net, Java, REST API Development Environments	Microsoft Internet Information Server (IIS) Version 6 and Windows Server 2003	Data and application services accessible thought the Internet
Spatial Database Management	ArcSDE 9.3.1 Oracle 10	SUN Solaris & Windows Server 2003	Spatial data management and analysis, high performance delivery system, complex geo-object model, and supports ArcFM Water
Database Management	Oracle 10 RDBMS	SUN Solaris & Windows Server 2003	Relational database management system, spatial and non-spatial data storage and retrieval system
Handheld	Mobile Web, Device Specific Application	Blackberry, Windows Mobile	Field surveys
GPS	PathFinder Office	Various Trimble GPS Devices rented as-needed for project specific requirements	Field collection of positional survey data; real- time input to files and download to GIS
Web Serving	IIS6 & Apache	Windows2003 Server & SUN Solaris	Web hosting, ArcGIS Server, and ArcIMS map serving to the Internet

Tab D – Stormwater Work Category

THE EC DRIVER TEAM RESOURCES

RESOURCE	SOFTWARE	HARDWARE/OS	USES
Software	Frontpage2000	Windows2003 Server	Web publishing
	ASP, ASP.net JavaScript, XML	Windows2003 Server & SUN Solaris	Web serving dynamic content, serving Oracle 10 databases, ArcGIS Server, JavaScript REST API, and ArcIMS map services
	ArcObjects	Windows XP, Windows 7	Customize ArcGIS environment and perform specialized analysis within ArcMap
	ArcGIS Server 9.3.1, ArcIMS 9	Windows2003 Server	Customize ArcGIS environment and perform specialized analysis within the Web
	ArcMacro Language AML	Windows XP, Windows 7	Automate spatial data processing within the Arc/Info 9x technology
	Python	Windows XP, Windows 7	Automate spatial data processing within the ArcGIS desktop and server
	Visual Basic 6/ VB.net	Windows XP, Windows 7	Develop custom windows applications and build custom ArcGIS applications in the windows environment
	Visual Basic for Applications	Windows XP, Windows 7	Extend the functionality of the windows environment
	Java, JavaScript	SUN Solaris & Windows2003 Server	Custom applets, server-side processing, servlet development.
	Oracle SQL, WebDB, PL/SQL	SUN Solaris & Windows2003 Server	Batch data upload, database procedures, data manipulation, reporting, data extraction, Web-based forms and reports
	Satellite Forms	Palm OS	Application development for field data collection and automation
	AutoCad 2010 With Land Development	Windows XP	Computer aided design and drafting software
	MicroStation V8i	Windows XP, Windows 7	Computer aided design and drafting software
	HEC-RAS, UNET, DYNHYD	Windows XP, Windows 7	River flow, channel flow, influence of structures
	ICPR, XPSWMM	Windows XP, Windows 7	Stormwater Modeling and Routing Program
	PONDS f	Windows XP, Windows 7	Groundwater Mounding Analysis
	Microsoft Office Professional 2010 – Core Programs and Category Programs	Windows XP, Windows 7	Create, control and deliver more secure, high-quality Adobe PDF documents
	Adobe Acrobat 8 Professional	Windows XP, Windows 7	Converts your business's documents to Adobe PDF files,
	Adobe Design Standard CS3 – Core Programs and Category Programs	Windows XP, Mac OS, Windows 7	Create and manipulate graphics in a variety of formats

Tab D – Stormwater Work Category

THE EC DRIVER TEAM RESOURCES

RESOURCE	SOFTWARE	HARDWARE/OS	USES
Communication	Corporate high-speed WAN for access to E-mail, Accounting, HR, FTP site and secure folders	Windows Server 2003, Complete Archival Backup System	Project management, data transfer, data security, and coordination
	Internet Web Hosting	Windows Server 2003, Solaris 9	Internet access, web hosting, data and GIS services, and database access
Plotting		HP5000 Canon C5045 Canon C5035 Canon Image Runner C6870U Canon Image Runner C5068	Report and Map Production
Digital Cameras		Rented based on project specific requirements	Field collection, graphic presentation, and geolocation-oriented photos (Google Earth)
Operating Platforms	SUN Solaris	SUN T1000	Web serving, database engine, and application development.
	MS Windows/ Window 2003/XP Operating Systems	Approximately 100 desktop and notebook PCs are available for staff use	Web serving, database engine, application development, and word processing
Vehicles	F250 4x4 Trucks Ford Explorer		Transportation for field activities

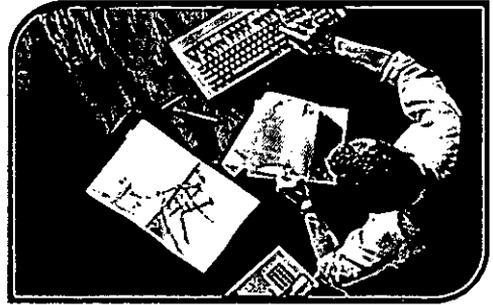
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Willingness to Meet Schedule and Budget Requirements

The EC Driver Team utilizes a formal system for management and control of contracts, which consists of the following components:

Project Management

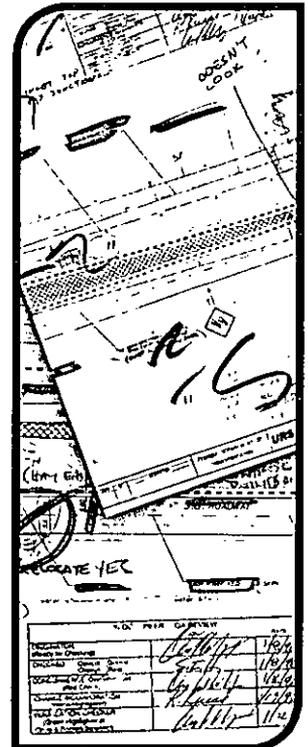
- ❖ **Management and Control Responsibilities** – *Luis Maldonado* will serve in the role of the Principal-in-Charge / Contract Manager (PIC) and will independently track the progress and performance of work under the contract and coordinate with the Project Manager. The PIC will be responsible for all overall services delivery under the Civil Engineering Services, Continuing Supply contract, as well as the County's satisfaction with the EC Driver's Team services.



The Project Manager, *Don Padgett*, will independently monitor progress and performance on all assignments to ensure that work is being performed in a cost-effective, timely, and technically proficient manner. If management intervention is required, the Project Manager will work with the Task Leaders to identify and implement corrective actions necessary to ensure the County's project objectives are achieved within the established cost, time, and quality guidelines.

The key element to successfully executing a general services contract is to have a strong, knowledgeable Project Manager for project assignments. The assigned Project Manager will be the primary point of contact for the County's Project Manager, and is responsible to complete the assignment on schedule and within budget. EC Driver's accounting system provides weekly reports of labor and financial progress on projects so the Project Manager can easily track the project budget and identify early on if adjustments must be made to project staffing, deliverables or schedule.

- ❖ **Project Communications** – We recommend the County's Project Manager be the single point of contact each project. All communication to the County would flow through this point of contact. Project status meetings will be held at regular intervals to review work progress and identify any issues or additional scope needs. Status briefings, formal presentations, and workshops are encouraged to facilitate communicating significant technical or other issues, or potential schedule delays.
- ❖ **Quality Assurance and Quality Control** – The EC Driver team has a formal Quality Management System (QMS) that complies with ISO 9001. All staff must take training on how to implement and follow this quality program. The program consists of project quality reviews that require forms to be filled out by the checker



Tab D – Stormwater Work Category

and originator of the work product. This documentation becomes part of the project record. The reviews required for all projects include Detail Checks – to check data, calculations and results, and Internal Technical Reviews – to ensure the reasonableness of assumptions, methodologies and results. Other types of reviews for specific project types, such as constructability reviews, are also required as appropriate. At project milestones of long-term projects, and at the completion of all projects, project managers are required to submit Client Feedback Forms to the Client for his/her feedback on our services, and how we can improve. This feedback is also included in the project record. To ensure the QMS is being implemented, internal quality audits are done on a monthly basis.

Project Delivery

The EC Driver Team has extensive experience with general services type contracts. For FDOT's Districtwide Drainage contract, we have completed 40 assignments over the past 3 years as well as completing over 12 roadway design projects for FDOT District Three's miscellaneous design contract for a span of a year and a half. These projects, along with other work assignments, were submitted within the project schedule. With the staff available in EC Driver's Tallahassee office and URS' Tallahassee and Tampa offices, we are able to work on multiple assignments for multiple clients at any given time.

Our ability to complete projects on time is largely due to 1) realistic schedules are developed at the start of any project, and 2) project staff has worked together for many years, and 3) the project team has significant experience in the design of stormwater facilities

Project Budgets

The EC Driver Team prides itself in delivering projects with budget and with limited change orders. With the initial project deliverable, we develop a project budget. This is then compared to the client's available funding. Provided sufficient funds are available, work will continue and estimated construction costs will be refined. If it appears that insufficient budget is available, the client is notified. EC Driver and the client will then review the project goals to determine how it can be modified to fit the available budget.

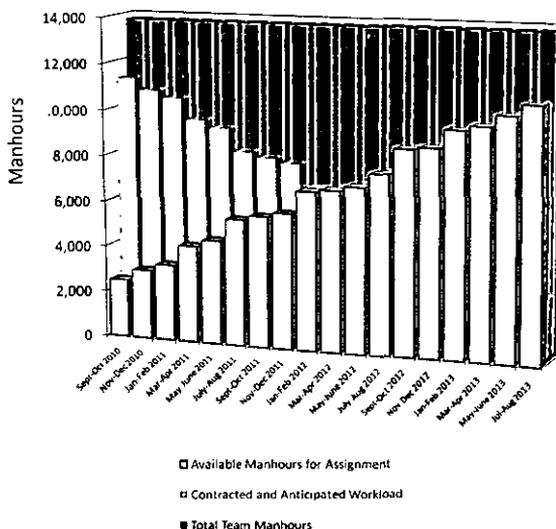
With each deliverable, an estimated cost of construction is provided. These costs are developed by obtained vendors' quotes and using the EC Driver Team's library of construction costs. We have consistently developed final construction cost estimates that at 10 to 15% above the awarded contract price. Once into construction, change order values have ranges from 1 to 2 %.

Tab D – Stormwater Work Category

Effect of Firm's Recent, Current and Projected Workload

Current Workload and Projected Workload

The individuals included in this submittal are available and committed to serving the needs of Leon County for the duration of this assignment. The EC Driver Team's workload maintains a steady, manageable level because our size and repeated successful partnerships afford us the valuable commodity of flexible staffing in response to our Clients' needs. We anticipate that a large percentage of our work will continue to come from repeat clients throughout the coming year. Our staff of highly-qualified professionals and technicians is of sufficient depth and breadth that we can, as necessary, immediately assign additional staff on short notice to meet any unforeseen manpower requirements without sacrificing the quality of our work. We have consistently demonstrated our ability to perform technically-demanding assignments of all sizes within strict time frames, allowing for client and regulatory review.



In addition to the project team presented in this response, the EC Driver Team has access to over 1,200 state-wide employees should the need for additional resources be required. The table presented in the above subsection entitled Current Work Currently under contract provides a summary of the EC Driver Team's commitments. We are confident that our collective knowledge and expertise will provide a tremendous value to Leon County.

Most of our on-going projects are due for completion in less than nine months with most of the work completed by the time design begins on this project. As shown by the percentages available, our team is available to proceed with task assignments immediately, and we can handle multiple tasks on accelerated schedules.

Ability to Absorb Projects from this Contract

EC Driver has the capability to manage projects of varying complexity and scale. We understand the resource commitments and attention to detail that are required to keep projects on schedule. EC Driver values the opportunity of providing professional services to the County and is prepared to give this project the attention it demands and deserves.

We are prepared to make the following commitments to the County:

- ❖ **Abilities of Project Teams** – We commit to select our most highly qualified professionals in the disciplines required and we are prepared to assign them on a priority basis.
- ❖ **Prioritization of Assignments** – Our project teams are committed to each assignment for as long as it takes to complete the work.
- ❖ **Project Manager/Task Leader Commitment** – We recognize the important role of the Project Manager and his task leaders in maintaining workflow and meeting production deadlines. As such, the Project Manager will be carefully selected to ensure that the project is completed on time, on budget, and in a technically competent and complete manner.

Tab D – Stormwater Work Category

- ❖ **Staff Redundancy** - The EC Driver Team has more than adequate staff to perform multiple assignments at any given time. By utilizing a Project Manager and multiple Task Leaders, staff resources can be easily managed. The use of Microsoft Project will enable the PM to recognize when additional resources are needed to meet deadlines.

One of the advantages of being such a large firm with great depth of resources is the ability to accept new projects while honoring our commitments to our existing ones. We have an extensive pool of available, highly qualified professionals who can be rapidly deployed to assist in the event of *unforeseen project conditions* or the unlikely event of staff loss.

In addition to highlighting that the EC Driver Team possesses the ability to identify backup staffing capabilities, our preferred approach is to identify qualified staff members that are not over committed. This approach is based on our experience that the best way to deal with overload situations is to avoid them altogether. We commit to adhere to this philosophy in the execution of this contract, and in so doing will strive to avoid assigning key individuals who cannot give the appropriate level of attention to individual assignments.

In the event that the unforeseen occurs and an overload situation does occur, the Principal-in-Charge will work with the Contract Manager to identify staff professionals that are available and possess the skills necessary to lend effective assistance.

Tab D – Stormwater Work Category

Effect of Project Team Location

EC Driver's office is located only one mile from Leon County's Public Works facilities which further facilitates communication and the ability to respond quickly to the County's needs. This contract will be managed out of EC Driver's Tallahassee office and supported by personnel from the URS Tallahassee office. The URS Tampa office will provide peer review support for the Stormwater Engineering Work Category.

Tab D – Stormwater Work Category

Approach to the Project

The EC Driver Team has extensive experience working with task order based contracts. Through this experience we have developed a method to approach each task work order. Working with the County's Project Manager, our Project Manager, Don Padgett, will discuss and identify possible Task Work Order needs. Once a concept for a Task Work Order is determined, the appropriate Task Leader and staff will be identified, and will provide the County Project Manager a scope, fee and schedule for review and comment. Revisions will be made as necessary and resubmitted for approval.

As the work for each task work order progresses, the Task Leader will coordinate directly with the appropriate County staff member(s) until the task is complete. The required quality control processes will be implemented throughout the duration of the work. EC Driver's accounting system will assist the Project Manager and Task Leaders to ensure they complete your projects on schedule and within budget. If additional scope work is required and requested by the County, a change order will be provided to the County and approved prior to commencing additional work.

Once a scope of services, fee schedule, and project schedule for the project have been approved by the County, the technical work can begin. The type and complexity of the project will dictate the approach EC Driver will take to complete the work. In all cases, it is recommended that progress submittals be made to allow for County input and comment on the work product.

Generally, EC Driver recommends that progress submittals be made at the 30%, 60%, 90%, and 100% design stage. The 30% design submittal would actually be a Preliminary Engineering Report (PER). In the PER, EC Driver would discuss the problem and evaluate alternatives that would solve it. The alternatives analysis would include a review and comparison of available equipment, layouts, etc., that are available. From this, EC Driver would provide a recommendation for the final design approach. The PER would be submitted to the County for review and approval. Once approved, it would become the basis for development of construction plans and specifications.

Based on the approved recommendations, construction plans and specifications would be developed. The 60% submittal would consist of design plans and a preliminary construction cost estimate. The County would be given time to review the submittal, followed by a review meeting to discuss County comments. Once this has been accomplished, the plans and specifications would be finalized. The County would be provided with 90% and 100% submittals to provide final comments.

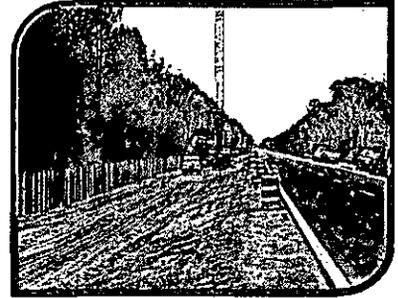
For projects that will result in a study or master plan, EC Driver recommends a different approach. Once the project has been established, a Memorandum of Understanding will be developed wherein the goals and objectives of the study will be identified and the assumptions that will be made in preparing the study identified. This will be submitted to the County for review and approval. In this way, the project team and the County will have agreed on the approach and methodology which will be used to develop the end product.

Once the Memorandum of Understanding has been approved, the work can begin. The EC Driver Team would recommend submittals be limited to 90% and final. Since the approach and methodology will have been previously agreed to, the first review submittal can be made at the 90% stage. The County will be given several weeks to review the document. Once comments are received, a review meeting will be held to discuss the comments. This will be repeated for the 100% submittal. Obviously, more complex projects will require interim review points that will be established jointly by the County and EC Driver Project Manager.

Tab D – Roadway Design Work Category

EC Driver serves as the responsible design professional for many Florida communities and is routinely responsible for the design and permitting for a wide array of public infrastructure projects in FDOT Districts Two and Three, typically requiring preparation of construction documents and construction cost estimates, right-of-way services, and environmental permitting.

- ❖ ***Right-of-Way Services*** – Stormwater management systems and roadways normally require the identification of ownership and/or acquisition of easements and rights-of-way, and EC Driver prepares right-of-way documentation and sketches, valuation information, and legal descriptions to support projects in their planning, design, and implementation phases.
- ❖ ***Roadway Design*** – EC Driver is one Florida's primary transportation design firms in Florida for the last two decades, and we have extensive capabilities to provide planning and design services for all types of transportation projects including roadways, interchanges, bridges, and airports. We provide a broad range of services to FDOT and local governments throughout Florida and prepare complete sets of construction drawings that routinely include plan sheets listed in the FDOT Roadway Plans Preparation Manual. EC Driver's professionals are very accomplished at coordinating designs and resolving conflicts with FDOT and local communities to accomplish our clients' objectives and provide integrated community roadway design solutions, ranging from minor rural improvements to complex urban roadways and interstate segments.
- ❖ ***Preparation Of Construction Documents*** – EC Driver is responsible for preparing construction documents on a daily basis for hundreds of Florida client assignments, including FDOT's Districts Two and Three. Our professional design staff is well versed in the development of construction plans and details, technical specifications, special provisions to standard construction specifications, computation of quantities, construction phasing and scheduling, and detailed construction cost estimates.
- ❖ ***Pre-Construction Services*** – EC Driver can assist the County with the implementation of projects, prior to the initiation of construction activities by providing value engineering services to identify potential cost saving areas, reviewing and commenting on construction plans and schedules, identifying potential contractors, conducting pre-bid meetings, reviewing and evaluating bids and proposals, and holding pre-construction meetings.
- ❖ ***Coordination and Meetings*** – EC Driver staff can assist the County with the coordination of on-going construction issues, including reviewing shop drawings, and responding to RFIs.
- ❖ ***Evaluation and Recommendations*** – Recognizing the complexity and diversity of the County's on-going projects, EC Driver's qualified professional staff can advise and consult with the County during the construction phase and issue the County's authorized instructions to the contractor, make recommendations to the County on all claims relating to the execution and progress of the construction work, and prepare written recommendations for correction of permanent work which does not conform with the requirements of the construction contract.



Tab D – Roadway Design Work Category

- ❖ **Assessment of Contractor Submittals** – EC Driver can extend County Staff capabilities, when required, by reviewing and approving shop drawings, and other submittals for conformance to the design concept and the construction contract. Relative to contractor payments, EC Driver can evaluate the contractor's progress relative to his requests for progress payments, advise the County as to the extent of the work completed, and issue certificates for processing by the County for payment for interim work, as well as the generation of the Certificate of Final Payment
- ❖ **Documentation and Reporting** – Project documentation is a time consuming but critically important component of all construction projects. EC Driver can assist County staff with maintenance of records of the work throughout the construction process to document completed work, generate required project completion reports, and issue required project certifications.

Ability of Professional Personnel

EC Driver has designated *Luis Maldonado, PE*, a senior engineering manager, to serve the County in the role of the *Principal-In-Charge (PIC)/Contract Manager*, who will independently track the progress and performance on all assignments under the County's Civil Engineering Services, Continuing Supply contract and coordinate with the Project Manager. The PIC will be responsible for all overall services delivery under the Civil Engineering Services, Continuing Supply contract, as well as the County's satisfaction with EC Driver's services. As Contract Manager, he will be responsible for all contracting activities, integration of service delivery, financial operations, supervision of quality control activities, and overall County satisfaction with EC Driver's service delivery process. If management intervention is required, the Contract Manager will work with the Project Manager to identify and implement corrective actions necessary to ensure that the County's project objectives are achieved within the established cost, time, and quality guidelines. Mr. Maldonado has 25 years' experience in the field of transportation engineering. He was a former District Three Drainage Engineer and Assistant State Drainage Engineer for the Florida Department of Transportation. As a Vice President of EC Driver, Mr. Maldonado has the authority to contractually bind the firm.

The key element to successfully executing a general services contract is to have a strong, knowledgeable Project Manager (PM) for project assignments, who will be a "Team Facilitator" for Leon County. It is important that the PM be knowledgeable about all aspects of work that may be issued and that he is capable of assigning staff and committing resources in order to complete the assignment on schedule and within budget. In addition, by establishing a primary point of contact with the County, work and staffing needs can be more easily monitored, ensuring a good quality and timely end product. We are assigning *Don Padgett, PE* as *Project Manager*. He brings 16 years of experience in managing and design of roadway design projects. Mr. Padgett will also provide Peer Review for the Roadway Design Work category.

Presented in the table below are the key personnel proposed for the roadway design work category and the number of other professional staff available to provide roadway design engineering services. All key staff are located in Tallahassee and have the availability to provide services on a relatively short notice for the any project contemplated for this contract.

Key Personnel	Percent Available	Number of Other Professional Staff	Percent Available
Luis Maldonado, PE	10%	6	30%
Don Padgett, PE	20%		
David Gilbert, PE	30%		
Derek Johnson, PE	40%		
James Johnson, PE	40%		
Dale Mills, EI	30%		

Tab D – Roadway Design Work Category

The Continuing Supply Civil Engineering Services contract will be managed out of EC Driver's Tallahassee office.

Key Personnel Resumes

Resumes for the key personnel identified in the above-referenced table directly follow this section.

Outside Consultants

EC Driver has full in-house capabilities to execute all aspects of the foreseeable work assignments from the County; therefore, at this time no outside consultants have been identified.

Luis Maldonado, PE

Contract Manager / Quality Assurance/Quality Control

Areas of Expertise

Storm Systems Design
Storm Water/Environmental
Permitting
Bridge Hydraulics/Scour

Years of Experience

With ECD: 14 Years
With Other Firms: 11 Years

Education

1985 /BS / Civil Engineering,
University of Alabama
FDOT Specifications Training
Stream Stability and Scour at
Bridges

Registrations

Florida PE Certification 45306
Alabama PE Certification 19284

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Chief Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Chief Engineer. Project involved roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Chief Engineer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$9 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Chief Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three. Chief Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$1.6 million.**

SR 313, St. John's County, FDOT District Two. Project Manager. This project for FDOT District Two involves 5.2 miles of new alignment, controlled access roadway from SR- 16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. The horizontal alignment was set to minimize impacts to wetlands within this area. Coordination with the ARC as well as SJRWMD was required. **Construction Fee is approximately \$86 million.**

SR-103, Duval County, Florida, FDOT District Two. Project Manager. This project involves drainage improvements to a four lane urban section. Responsibilities included analysis of existing drainage system including preparation of report, design of closed pipe collection

and conveyance system, traffic control analysis/design, and specification package. **Construction Fee is approximately \$0.2 million.**

SR-207, St. Johns County, Florida, FDOT District Two. Project Manager. This project involves drainage improvements including the addition of cross drains and ditch construction to alleviate upland water storage outside the project right-of-way. Responsibilities included review of initial design plans and calculations, design of drainage improvements, and quality control. **Construction Fee is approximately \$4.2 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Principal-in-Charge. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Chief Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include QA/QC of drainage design. **Construction Fee is approximately \$28 million.**

SR-83 (US-331), Walton County, Florida, FDOT District Three. Project Manager. Project involved the design for widening the roadway along SR-83 (US-331) from a two to four lanes, from the Choctawhatchee Bay Bridge to SR 20. The project included widening the existing bridge and constructing a new parallel bridge over Ramsey Branch. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Assisted in quality control/assurance of the roadway, traffic control and drainage plans. **Construction Fee is approximately \$38 million.**

SR-212, McCormick Bridge over ICWW, Duval County, Florida, Jacksonville Transportation Authority. Chief Engineer. The project involves the reconstruction of a combination four-lane, rural roadway and four-lane, divided urban roadway to a six-lane, divided urban roadway from east of San Pablo Road to 9th Street. The major task on the project is to replace the existing bascule bridge with two high level bridge structures. Due to the development along the project, the existing bridge replacement, and the high traffic volume on the project, traffic control was a major concern. Responsibilities include preparation of the Bridge Hydraulics Report, drainage design and environmental permitting. The drainage design included closed pipe and open ditch conveyance systems, two stormwater management facilities, temporary drainage coordinated with traffic control, plans production, quantities estimation, public involvement, and quality control. Public meetings were a part of this contract. **Construction Fee is approximately \$66 million.**

SR-30 (US-98), Taylor County, Florida, FDOT District Two. Project Manager. Project involved the design for replacing the existing main and relief bridges with a single bridge over the Aucilla River. Permits have been acquired and Phase III Plans are currently being developed. The project schedule was shortened by approximately 1 year, but design and plans production is on schedule for a June 2011 letting. Project required coordination with SRWMD and preparing ARC documentation. Assisted

in quality control/assurance of the roadway, traffic control and drainage plans. **Construction Fee is approximately \$23 million.**

SR-A1A, St. John's County, FDOT District Two. Project Manager. This project for FDOT District Two involves widening SR-A1A (US-1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR-210. The Phase I design included determining whether the proposed drainage design could be accommodated within the existing right-of way and developing Phase I (30%) plans. The Phase II scope of services will include developing Phase II (60%) plans for acquiring permits and determining right-of-way requirements. This is a high-profile project with public involvement, which includes environmental groups and communities such as Ponte Vedra. **Construction Fee is approximately \$17 million.**

Miscellaneous Drainage Contract, Florida, FDOT District Three. Project Manager/Engineer-of Record. Performed Location Hydraulics Report for US 29 in Pensacola, Florida. Reviewed and provided comments on consultant drainage plans. Coordinated and obtained Stormwater Operating Permits from the City of Tallahassee on existing FDOT stormwater facilities. Coordinated and obtained stormwater permits from the Florida Department of Environmental Protection (FDEP) on existing FDOT stormwater facilities. Developed and provided a Handbook (Guidelines) for the Rehabilitation of Storm Sewer Systems and Maintenance of Stormwater facilities. Developed drainage plans for NRCS (Natural Resources Conservation Service) for the rehabilitation/stabilization of the Courtney Gully, located in Okaloosa County. Performed a two-dimensional analysis using the Army Corps of Engineers (ACOE) hydraulic program, RMA-2 for the hydraulic and scour analysis of three bridges along CR 166 in Washington County. **Design Fee is approximately \$0.5 million.**

Don Padgett, PE

Project Manager / Quality Assurance/Quality Control

Overview

Don has 16 years in project management, quality control, roadway design, stormwater systems design, traffic control design, signing and pavement marking design, plans preparation, and estimation of quantities.

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Project Manager. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Project Manager. Project involved roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Also provided Quality Control for the traffic control and roadway design. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Project Manager. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Responsibilities include managing the project for both the roadway and bridge components, coordinating with FDOT personnel and maintaining the project schedule. Also provided Quality Control for the traffic control and roadway design. **Construction Fee is approximately \$9 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Roadway Engineer. Project involved constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities include QC of roadway design, plans, and computation book. **Construction Fee is approximately \$2.6 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three. Project Manager. Responsible for project management and the quality control for all aspects of the roadway design for this Resurfacing, Restoration, and Rehabilitation project. **Construction Fee is approximately \$1.6 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Project Manager and Roadway Engineer of Record. Responsible for the project management, roadway design, traffic control, and quality control for all

Areas of Expertise

- Project Management
- Quality Control
- Roadway Design
- Stormwater Systems Design
- Traffic Control Design

Years of Experience

With ECD: 16 Years

Education

- 1994 / BS / Civil Engineering / Florida State University
- 1988 / BS / Secondary Mathematics Education / Florida State University
- FDOT Computation Book Preparation
- FDOT Specifications Training
- Certification in FDOT Advanced Maintenance of Traffic
- FDOT/ITE Highway Capacity Analysis

Registrations

- Florida PE Certification 53201
- Georgia PE Certification 25707
- Alabama PE Certification 23295

aspects of the roadway design for this Resurfacing, Restoration, and Rehabilitation project. **Construction Fee is approximately \$2.3 million.**

SR-313, St. John's County, FDOT District Two. Roadway Engineer of Record. This project involves 5.2 miles of new alignment, controlled access roadway from SR-16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Coordination with the ARC as well as SJRWMD is required. Responsible for the roadway design, traffic control, and quality control for all aspects.

Construction Fee is approximately \$86 million.

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. Project Manager. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety improvements and signing and pavement marking plans. Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project.

Construction Fee is approximately \$0.5 million.

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Project Manager. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Project Manager. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also responsible for the quality control of the roadway design elements on the project. **Construction Fee is approximately \$28 million.**

SR 83 (US 331), Walton County, Florida, FDOT District Three. Roadway Engineer-of-Record. Responsible for the roadway design and quality control for the roadway design elements on the project. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. This roadway is designated as an FHHS roadway. The roadway design was challenging due to the existing high water table and the rapid rate of development in the area. **Construction Fee is approximately \$38 million.**

SR 115 Resurfacing, Restoration, and Rehabilitation (RRR), Duval County, Florida, FDOT District Two. Project Manager and Engineer

of Record. This is an urban RRR project. The roadway is a four lane divided roadway, with service roads along the left and right roadway. Responsibilities include managing the project, coordinating with FDOT personnel and maintaining the project schedule. Also provided Quality Control for the traffic control and roadway design. **Construction Fee is approximately \$5.5 million.**

SR A1A, St. John's County, FDOT District Two. Engineer of Record. This project for FDOT District Two involves widening SR A1A (US 1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR 210. The Phase I design included determining whether the proposed drainage design could be accommodated within the existing right-of way and developing Phase I (30%) plans. The Phase II scope of services will include developing Phase II (60%) plans for acquiring permits and determining right-of-way requirements. This is a high-profile project with public involvement, which includes environmental groups and communities such as Ponte Vedra. **Construction Fee is approximately \$17 million.**

SR 212 (Beach Boulevard), Duval County, Florida, Jacksonville Transportation Authority. Project Manager/Roadway Engineer-of-Record. Responsible for project management and the roadway design and quality control for the roadway design elements on the project. The project involves the reconstruction of a combination four-lane, rural roadway and four-lane, divided urban roadway to a six-lane, divided urban roadway. The major task on the project is to replace the existing bascule bridge with two high level bridge structures. Due to the development along the project, the existing bridge replacement, and the high traffic volume on the project, traffic control was a major concern. **Construction Fee is approximately \$66 million.**



David Gilbert, PE

Roadway Design Engineering

Overview

David has 8 years' experience in the design and analysis of roadway plans, traffic control plans, signing and pavement marking plans, the computation of roadway quantities, specification package preparation, and FDOT electronic delivery of projects.

Project Specific Experience

SR 369 (US 319), Wakulla County, Florida, FDOT District Three.

Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include roadway design, roadway plans development, traffic control plans, and signing and pavement marking plans. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two.

Roadway Designer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include roadway design, roadway plans development, specifications package preparation, electronic delivery of the project, and traffic control plans. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two.

Roadway Designer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Responsibilities include roadway design, roadway plans development, and traffic control plans. **Construction Fee is approximately \$9 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT

District Three. Roadway Engineer. Project involves constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities include traffic control design, plans production, specification package development and electronic project delivery. **Construction Fee is approximately \$2.6 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three.

Roadway Designer. This project consists of milling and resurfacing with drainage and safety improvements. Responsibilities included roadway design, roadway plans, signing and pavement marking plans, drainage structures, drainage ditch design, permitting, and electronic data delivery of the project. **Construction Fee is approximately \$2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three.

Roadway Designer. This project consists of milling and resurfacing with drainage and safety improvements. Responsibilities included roadway design, roadway plans, signing and pavement marking plans, drainage structures, drainage ditch design, permitting, and the electronic data

Areas of Expertise

- Roadway Planning
- Traffic Control Plans
- Signing and Pavement Marking Plans
- Roadway Quantities Computation

Years of Experience

- With ECD: 7.5 Years
- With Other Firms: .5 Year

Education

- 2002 / BS / Civil Engineering / Florida State University
- Certification in FDOT Advanced Maintenance of Traffic
- Certification in FDOT Specification Package Preparation
- FDOT Computation Book Preparation
- Prepared multiple FDOT Electronic Deliveries

Registrations

- Florida PE License 66563

delivery of the project. **Construction Fee is approximately \$1.6 million.**

SR 313, St. Johns County, Florida, FDOT, District Two. Roadway Engineer. Project involves the construction of a new rural four-lane divided limited access roadway from SR 16 to US 1. Responsibilities include roadway design, traffic control design, and roadway plans development. **Construction Fee is approximately \$86 million.**

SR 103, Duval County, Florida, FDOT District Two. Roadway Engineer. This project involves drainage improvements to a four lane urban section including adding inlets and storm sewer to remediate flooding on private property adjacent to the roadway. Responsibilities included drainage design, traffic control analysis/design, plans production and the electronic delivery of the project. **Construction Fee is approximately \$0.2 million.**

SR 207, St. Johns County, Florida, FDOT District Two. Roadway Engineer. This project involves drainage improvements including the addition of cross drains and ditch construction to alleviate upland water storage outside the project right-of-way. Responsibilities include drainage design, traffic control analysis/design and plans production. **Construction Fee is approximately \$4 million.**

SR 30A, Gulf County, Florida, FDOT District Three. Roadway Engineer of Record. This project involves two rural bridge replacements, roadway widening, approach construction, a detour route and an on-site diversion. This project is on an accelerated schedule and involves coordination with the Central Office Structures Department. Responsibilities include roadway analysis/design, traffic control analysis/design, quantity computation, signing and pavement marking design, and quality control. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. Roadway Engineer. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety improvements and signing and pavement marking plans. Responsibilities include roadway design, roadway plans development, signing and pavement marking plans, roadway computation book preparation, and electronic delivery. **Construction Fee is approximately \$0.5 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Responsibilities include roadway design, roadway plans development, signing and pavement marking plans and roadway computation book preparation. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Roadway Engineer. Project involves the reconstruction of a two-lane rural roadway to a four-lane, divided rural roadway. Responsibilities include roadway design, roadway plans development, traffic control plans,

and signing and pavement marking plans. **Construction Fee is approximately \$28 million.**

SR 83 (US 331), Walton County, Florida, FDOT District Three. Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. This roadway is designated as a FIHS facility. Responsibilities include roadway design, roadway plans development, and traffic control plans. Assisted with public meeting. **Construction Fee is approximately \$38 million.**

SR 115 (Southside Boulevard), Duval County, Florida, FDOT District Two. Roadway Engineer. Project involves milling and resurfacing the existing four-lane divided rural and urban roadway including adjacent service roads. Project also includes minor safety, drainage, signalization and lighting improvements. Responsibilities include roadway design, roadway plans development and traffic control plans. **Construction Fee is approximately \$5.5 million.**

SR A1A, St. John's County, FDOT District Two. Roadway Designer. This project involves reconstructing SR A1A (US 1) from a two-lane, undivided rural section to a four-lane, urban divided section, from Mickler Road to CR 210. The Phase I design included determining whether the proposed drainage design could be accommodated within the existing right-of way and developing Phase I (30%) plans. Responsibilities included roadway design, roadway plans production and traffic control analysis. **Construction Fee is approximately \$17 million.**

SR 212, McCormick Bridge over ICWW, Duval County, Florida, Jacksonville Transportation Authority. Roadway Designer. Project involves widening the roadway along SR 212 (Beach Boulevard) from four to six lanes, from east of San Pablo Road to Penman Road North. Developed the roadway and traffic control plans design including plan sheets production, signing and pavement marking plans development, quantity calculations and computation book preparation. Public meetings were a part of this contract. **Construction Fee is approximately \$66 million.**

James Johnson, PE

Roadway Design Engineering

Overview

James has 10 years' experience in the design and analysis of stormwater conveyance systems, stormwater management systems, roadway design, plans production, stormwater/ environmental permitting, traffic control plans, signing and pavement marking plans and roadway quantities.

Areas of Expertise

Roadway Plans
Traffic Control Plans
Signing and Pavement Marking Plans
Roadway Quantities
Specifications Package Preparation
FDOT Electronic Delivery Of Projects
Trns*Port

Years of Experience

With ECD: 10 Years

Education

2001 / BS / Civil Engineering /
Florida State University
Certification in FDOT Advanced
Maintenance of Traffic
Certification in FDOT
Specifications Packages

Professional Registration

Florida PE License 62546

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Drainage Engineer. The project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway FPN 220495-2-32-01). The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities include drainage design including 10 closed basin ponds, floodplain compensation, open swale and closed pipe conveyance system design, cross drain replacements, temporary drainage coordinated with traffic control, and assisting in the preparation of the Pond Siting Report. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Roadway Designer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Responsibilities include roadway design, drainage design, environmental permitting, pavement design, managing the plans production, traffic control, and quality control. **Construction Fee is approximately \$8 million**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Roadway Design. Project involves constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities include drainage design, plans production, and environmental permitting. **Construction Fee is approximately \$2.6 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Roadway/Drainage Engineer. Project involves milling and resurfacing the existing roadway including minor safety and drainage improvements. Responsibilities include drainage design, roadway plans, drainage structures, drainage ditch design and permitting. **Construction Fee is approximately \$2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three, Drainage Engineer. Project involves milling and resurfacing the existing roadway on SR 10 (US 90) from the Ochlockonee River Bridge to West of SR 263. It also included minor safety and drainage improvements. Responsibilities include drainage design, roadway plans, drainage structures, drainage ditch design and permitting. **Construction Fee is approximately \$1.6 million.**

SR 313, St. Johns County, Florida, FDOT, District Two. Roadway Engineer. This project involves 5.2 miles of new alignment, controlled access roadway from SR 16 to US 1. The proposed roadway is a divided, four-lane rural roadway. The project included one at-grade intersection (SR 16), two grade separations (Woodlawn Road & FEC Railroad/US 1), and an interchange at US 1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Assisted with roadway design and roadway plans development. **Construction Fee is approximately \$86 million.**

SR 30A, Gulf County, Florida, FDOT District Three. Drainage Engineer. This project involves two rural bridge replacements along this coastal roadway which included roadway widening, approach construction, an off-site detour route and an on-site diversion. This project is on an accelerated schedule and involves coordination with the Central Office Structures Department and District staff. Responsibilities include bridge hydraulics and the drainage design. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. Engineer of Record. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety improvements and signing and pavement marking plans. Responsibilities include roadway design, roadway plans development, signing and pavement marking plans, permitting, roadway computation book preparation, and electronic delivery. **Construction Fee is approximately \$0.5 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Drainage/Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Assisted with drainage design and roadway plans development. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Drainage Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include drainage design including 6 closed basin ponds, floodplain compensation, open swale and closed pipe conveyance system design, cross drain replacements, temporary drainage coordinated with traffic control, and assisting in the preparation of the Pond Siting Report. **Construction Fee is approximately \$28 million.**

SR 115 (Southside Boulevard), Duval County, Florida, FDOT District Two. Roadway Engineer. Project involves milling and resurfacing the existing four-lane divided rural and urban roadway including adjacent service roads. Project also includes minor safety, drainage, signalization and lighting improvements. Responsibilities include roadway design, roadway plans development, assisting with traffic control plans, and drainage design. **Construction Fee is approximately \$5.5 million.**

SR A1A, St. John's County, FDOT District Two. Drainage Engineer. This project for FDOT District Two involves widening SR A1A (US 1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR 210. Responsibilities include preparation of the drainage design and environmental permitting. The drainage design included closed pipe and open ditch conveyance systems, liner ponds, plans production and quantities estimation. **Construction Fee is approximately \$17 million.**

S.R. 212 (Beach Blvd.) over ICWW, Duval County, Florida, FDOT District Two. This project was an urban bridge replacement and reconstruction of an existing four-lane divided roadway to a six-lane divided urban roadway. Responsibilities included roadway design, traffic control plans design, plans production, and design of a drainage conveyance system. **Construction Fee is approximately \$66 million.**

Miscellaneous Drainage Contract, Florida, FDOT District Three. Drainage Engineer. Performed Location Hydraulics Report for US 29 in Pensacola, Florida. Reviewed and provided comments on consultant drainage plans. Coordinated and obtained Stormwater Operating Permits from the City of Tallahassee on existing FDOT stormwater facilities. Coordinated and obtained stormwater permits from the Florida Department of Environmental Protection (FDEP) on existing FDOT stormwater facilities. Developed and provided a Handbook (Guidelines) for the Rehabilitation of Storm Sewer Systems and Maintenance of Stormwater facilities. Developed drainage plans for NRCS (Natural Resources Conservation Service) for the rehabilitation/stabilization of the Courtney Gully, located in Okaloosa County. Performed a two-dimensional analysis using the Army Corps of Engineers (ACOE) hydraulic program, RMA-2 for the hydraulic and scour analysis of three bridges along CR 166 in Washington County. **Design Fee is approximately \$0.5 million.**

Derek Johnson, PE

Roadway Design Engineering

Overview

Derek has 8 years' experience in the design and analysis of roadway plans, traffic control plans, signing and pavement marking plans, and the computation of roadway quantities. Derek also has 3 years of geotechnical engineering experience.

Project Specific Experience

SR 369 (Crawfordville Hwy), Wakulla County, Florida, FDOT District Three. Roadway Engineer for this reconstruction of a two-lane to a four-lane, divided rural highway (FPN 220495-2-32-01). The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities included roadway design, traffic control design, and plans production. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Roadway Engineer. Project involved roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Involved with roadway design, roadway plans development including traffic control plans and pavement marking plans. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Roadway Engineer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Involved with roadway design, roadway plans development including traffic control plans, and pavement marking plans. **Construction Fee is approximately \$9 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Roadway/Drainage Designer Assisted in the preparation of the drainage design, roadway plans, drainage structures, drainage ditch design and permitting. **Construction Fee is approximately \$2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three. Roadway/Drainage Designer Assisted in the preparation of the drainage design, roadway plans, drainage structures, drainage ditch design and permitting. **Construction Fee is approximately \$1.6 million.**

SR 313, St. Johns County, Florida, FDOT, D2 Roadway Engineer. This project involves 5.2 miles of new alignment, controlled access roadway from SR 16 to US 1. The proposed roadway is a divided, four-lane rural roadway. The project included one at-grade intersection (SR 16), two grade separations (Woodlawn Road & FEC Railroad/US 1), and an interchange at US 1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Assisted with roadway design and roadway plans development. **Construction Fee is approximately \$86 million.**

SR 30A, Gulf County, Florida, FDOT District Three. Roadway Engineer. This project involves two rural bridge replacements, roadway widening, approach construction, a detour route and an on-site diversion.

Areas of Expertise

- Roadway Planning
- Traffic Control Plans
- Signing and Pavement Marking Plans
- Roadway Quantities Computation

Years of Experience

- With ECD: 6 Years
- With Other Firms: 5 Years

Education

- 1999 / BS / Civil Engineering / Florida State University
- Certification in FDOT Advanced Maintenance of Traffic
- Certification in FDOT Specification Package Preparation

Registrations

- Florida PE License 62422

This project is on an accelerated schedule and involves coordination with the Central Office Structures Department. Assisted with roadway analysis/design, traffic control design and roadway plans preparation. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety and signing and pavement marking improvements. Responsibilities include roadway plans development signing and pavement marking plans development. **Construction Fee is approximately \$0.5 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Assisted with roadway design, roadway plans development including traffic control plans, and signing and pavement marking plans. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Roadway Designer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Responsibilities include roadway design, roadway plans development, traffic control plans, and signing and pavement marking plans. **Construction Fee is approximately \$28 million.**

SR 83 (US 331), an Urban/Rural Facility near Defuniak Springs, Walton County, Florida, FDOT District Three. Roadway Engineer for this reconstruction of a two-lane to a four-lane, divided rural highway. Responsibilities included roadway design, traffic control design, and plans production. **Construction Fee is approximately \$38 million.**

SR 115 (Southside Boulevard), Duval County, Florida, FDOT District Two. Roadway Engineer. Project involves milling and resurfacing the existing four-lane divided rural and urban roadway including adjacent service roads. Project also includes minor safety, drainage, signalization and lighting improvements. Responsibilities include roadway design, roadway plans development, assisting with traffic control plans, and drainage design. **Construction Fee is approximately \$5.5 million.**

SR-30 (US-98), Taylor County, Florida, FDOT District Two. Roadway Engineer-of-Record. Project involved the design for replacing the existing main and relief bridges with a single bridge over the Aucilla River. Permits have been acquired and Phase III Plans are currently being developed. The project schedule was shortened by approximately 1 year, but design and plans production is on schedule for a June 2011 letting. Project required coordination with SRWMD and preparing ARC documentation. **Construction Fee is approximately \$2.8 million.**

SR 212, McCormick Bridge over ICWW, Duval County, Florida, Jacksonville Transportation Authority. Roadway Designer. Project involves widening the roadway along SR 212 (Beach Boulevard) from four to six lanes, from east of San Pablo Road to Penman Road North. Responsibilities included adjusting utilities horizontally and vertically based on VVH data obtained. **Construction Fee is approximately \$66 million.**

SR 688 Ulmerton Road, Pinellas County, Florida, FDOT District Seven. Roadway/Drainage Designer Project involves widening the roadway along SR 688 (Ulmerton Road). Responsibilities included assisting in plans production including roadway cross-section, drainage structures sheets, and plan sheets for urban and rural sections. The drainage design included closed pipe and open ditch conveyance systems. **Construction Fee is approximately \$31 million.**



Dale Mills, EI

Roadway Design Engineering

Overview

Dale has 17 years of experience in the design and analysis of roadway plans, traffic control plans, signing and pavement marking plans, roadway quantities, specifications package preparation, clearing utilities for specific projects, FDOT electronic delivery of projects, and Trns*port.

Project Specific Experience

SR 369 (Crawfordville Highway), Wakulla County, Florida, FDOT District Three. Roadway Engineer.. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 220495-2-32-01). Assisted with roadway design, roadway plans development including traffic control plans, utility adjustment sheets and signing and pavement marking plans. **Construction Fee is approximately \$27 million.**

SR 51, Taylor County, Florida, FDOT District Two. Roadway Engineer. Project involved roadway widening, paved shoulder construction, milling and resurfacing, drainage improvements with existing box culvert extensions and existing bridge replacement with new box culvert. Involved with LRE, roadway design, roadway plans development including traffic control plans, utility adjustments, pavement marking plans, specifications package preparation and electronic delivery of project. Managing utility coordination including utility meetings with utility owners. **Construction Fee is approximately \$8 million.**

SR 51, Dixie County, Florida, FDOT District Two. Roadway Engineer. Project involves roadway widening, paved shoulder construction, milling and resurfacing, replacing four existing bridges with three new box culverts and one bridge. Involved with LRE, roadway design, roadway plans development including traffic control plans, utility adjustments and pavement marking plans. Managing utility coordination including utility meetings with utility owners. **Construction Fee is approximately \$9 million.**

SR 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Roadway Engineer. Project involved constructing wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities included roadway design, plans production, computation book preparation, specification package development and electronic project delivery. Assisted with environmental permitting, maintenance of traffic design and public meetings. **Construction Fee is approximately \$2.6 million.**

SR 20 (US 27), Leon County, Florida, FDOT District Three. Roadway Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements. Assisted with roadway design, signing and pavement marking plans, utility adjustment sheets, specifications package preparation, plans updates,

Areas of Expertise

Roadway Plans
Traffic Control Plans
Signing and Pavement Marking Plans
Roadway Quantities
Specifications Package Preparation
FDOT Electronic Delivery Of Projects
Trns*Port

Years of Experience

With ECD: 15 Years
With Other Firms: 2 Years

Education

1992 / BS / Civil Engineering
Technology / Georgia Southern
University
Certification in FDOT Advanced
Maintenance of Traffic
Certification in FDOT
Specification Package Preparation
Certification in FDOT Long
Range Estimating (LRE)
FDOT Computation Book
Preparation
Prepared multiple FDOT
Electronic Deliveries

Professional Registration

Georgia EI Certification 16060

quality control and electronic delivery of project. **Construction Fee is approximately \$2.3 million.**

SR 10 (US 90), Leon County, Florida, FDOT District Three.

Roadway Engineer. Project involved milling and resurfacing the existing roadway including minor safety and drainage improvements. Assisted with signing and pavement markings, utility adjustment sheets, specifications package preparation, plans updates, quality control, and electronic data delivery. **Construction Fee is approximately \$1.6 million.**

SR 313, St. Johns County, Florida, FDOT, District Two. Roadway Engineer. This project involves 5.2 miles of new alignment, controlled access roadway from SR-16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. Coordination with the ARC as well as SJRWMD is required. Assisted with roadway design and roadway plans development. **Construction Fee is approximately \$86 million.**

SR 103, Duval County, Florida, FDOT District Two. Roadway Engineer. This project involves drainage improvements to a four lane urban section including adding inlets and storm sewer to remediate flooding on private property adjacent to the roadway. Responsibilities included traffic control analysis/design, utility adjustments and plans production. **Construction Fee is approximately \$0.2 million.**

SR 207, St. Johns County, Florida, FDOT District Two. Roadway Engineer. This project involves drainage improvements including the addition of cross drains and ditch construction to alleviate upland water storage outside the project right-of-way. Responsibilities include traffic control analysis/design and plans production. **Construction Fee is approximately \$4 million.**

SR 30A, Gulf County, Florida, FDOT District Three. Roadway Engineer. This project involves two rural bridge replacements, roadway widening, approach construction, a detour route and an on-site diversion. This project is on an accelerated schedule and involves coordination with the Central Office Structures Department. Assisted with roadway analysis/design, traffic control design, roadway plans preparation and the electronic delivery of the project. **Construction Fee is approximately \$2.8 million.**

SR 369 (Crawfordville Highway) Resurfacing, Restoration, and Rehabilitation (RRR), Leon County, Florida, FDOT District Three. Roadway Engineer. The project involves milling and resurfacing of a two lane highway with cross slope correction. Project also includes minor safety improvements and signing and pavement marking plans. Responsibilities include roadway design, roadway plans development, signing and pavement marking plans, and roadway computation book preparation. **Construction Fee is approximately \$0.5 million.**

SR 369 (Crawfordville Highway), Leon County, Florida, FDOT District Three. Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway (FPN 219881-2-32-01). Assisted with roadway design, roadway plans development including traffic control plans, utility adjustment sheets and signing and pavement marking plans. **Construction Fee is approximately \$30 million.**

SR 79, Washington County, Florida, FDOT District Three. Roadway Design. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. Assisted with roadway design, drainage design and roadway plans development. **Construction Fee is approximately \$28 million.**

SR 83 (US 331), Walton County, Florida, FDOT District Three. Roadway Engineer. Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway. This roadway is designated as a FHHS facility. Responsibilities include roadway design, roadway plans development, and traffic control plans. Assisted with public meeting. **Construction Fee is approximately \$38 million.**

SR 115 (Southside Boulevard), Duval County, Florida, FDOT District Two. Roadway Engineer. Project involves milling and resurfacing the existing four-lane divided rural and urban roadway including adjacent service roads. Project also includes minor safety, drainage, signalization and lighting improvements. Responsibilities include roadway design, roadway plans development, assisting with traffic control plans, computation book preparation, specification package preparation and electronic delivery. **Construction Fee is approximately \$5.5 million.**

SR 212, McCormick Bridge over ICWW, Duval County, Florida, Jacksonville Transportation Authority. Roadway Engineer. Utility Coordination. Project involves widening the roadway along SR 212 (Beach Boulevard) from four to six lanes, from east of San Pablo Road to Penman Road North. Responsibilities included coordinating with utility companies, attending and overseeing utility meetings and coordination for JPA's. Assisted with development of the roadway and traffic control plans design including plan sheets development, signing and pavement marking plans development, quantity calculations and computation book preparation. Public meetings were a part of this contract. **Construction Fee is approximately \$66 million.**

Tab D – Roadway Design Work Category

Experience with Projects of a Similar Type and Size

Listed at the end of this section are 7 projects performed by EC Driver that best illustrates our roadway design engineering experience with the current staff being proposed for this work category.

Work Currently Under Contract

Project Name / Location	Client Name	Description of Services	Estimated Completion Date
SR A1A St. Johns County, FL	FDOT District Two	Project involves widening SR A1A (US 1) from a two-lane, undivided section to a four-lane, urban divided section, from Mickler Road to CR 210. The Phase I responsibilities included determining whether the proposed drainage design could be accommodated within the existing right-of-way and developing Phase I (30%) plans. The Phase II responsibilities included developing Phase II (60%) plans. This is a high-profile project with public involvement, which includes environmental groups and communities such as Ponte Vedra.	May 30, 2012
SR 369 (Crawfordville Highway) Leon County, FL	FDOT District Three	Project involves the reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway from the Wakulla County Line to LL Wallace Road as well as resurfacing from LL Wallace Road to south of SR 61. The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities included analysis and development of roadway and drainage plans as well as permitting and public involvement.	April 10, 2012
SR 79 Washington County, FL	FDOT District Three	Project involves reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway from CR 279 to north of Cypress Creek Bridge. Responsibilities included analysis and development of roadway and drainage plans as well as permitting and public involvement.	March 2012
SR 83 Walton County, FL	FDOT District Three	Project involves widening SR 83 from a two-lane, rural undivided section to a four-lane, rural divided section, from the Choctahatchee Bay Relief Bridge to SR 20. Responsibilities include the analysis and development of the roadway plans and public involvement.	November 3, 2011

Tab D – Roadway Design Work Category

Project Name / Location	Client Name	Description of Services	Estimated Completion Date
SR 30 (US-98) Taylor County, FL	FDOT District Two	Project involves the design for replacing the existing main and relief bridges with a single bridge over the Aucilla River. The project schedule was shortened by approximately 1 year, but design and plans production is on schedule for a June 2011 letting. Project required coordination with SRWMD and preparing ARC documentation. Responsibilities included analysis and development of roadway and drainage plans.	May 1, 2011

EC Driver Project Team Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
<p>SR 369 (Crawfordville Highway) Wakulla County, Florida</p>	<p>Bobby Ellis FDOT District Three 1074 Highway 90 Chipley, FL 32428 850.415.9459</p>	<p>EC Driver designed a reconstruction of a two-lane, rural roadway to a four-lane, divided rural roadway from East Ivan Road to the Leon County Line. The roadway and drainage design is challenging due to the Karst features along the project. Responsibilities included analysis and development of roadway and drainage plans as well as permitting and public involvement.</p> <p>Project Team: Luis Maldonado, Principal-in-Charge; Don Padgett, Project Manager/EOR; Clark Stephens, Lead Drainage Engineer/EOR; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer; Adam Grantham, Roadway Engineer; Walt Dodson, Drainage Engineer; and James Johnson, Roadway Engineer.</p>	<p>December 2009</p>
<p>SR 51 Taylor County, Florida</p>	<p>John Thrasher FDOT District Two 1109 South Marion Avenue Lake City, FL 32025 386.961.7481</p>	<p>EC Driver provided designs for resurfacing, restoration and rehabilitation of approximately 10 miles of a two-lane rural facility with one bridge replacement from First Avenue North to the Dixie County Line. Responsibilities included the analysis and development of the roadway and drainage plans.</p> <p>Project Team: Luis Maldonado, Principal-in-Charge; Don Padgett, Project Manager; Clark Stephens, Lead Drainage Engineer; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer; Walt Dodson, Lead Roadway Engineering/EOR; and James Johnson, Roadway Engineer.</p>	<p>August 2010</p>
<p>SR 51 Dixie County Florida</p>	<p>John Thrasher FDOT District Two 1109 South Marion Avenue Lake City, FL 32025 386.961.7481</p>	<p>EC Driver design resurfacing, restoration and rehabilitation of approximately 1.5 miles of a two-lane rural facility with three bridge replacement from Taylor County Line to Dixie County Line. Responsibilities included the analysis and development of the roadway and drainage plans.</p> <p>Project Team: Luis Maldonado, Principal-in-Charge; Don Padgett, Project Manager; Clark Stephens, Lead Roadway and Drainage Engineer/EOR; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Designer; Dale Mills, Roadway Designer; Walt Dodson, Drainage Engineer; and James Johnson, Roadway Engineer.</p>	<p>August 2010</p>

EC Driver Project Team Experience

Project Name/Location	Project Owner Name	Firm's Responsibility/Project Team	Estimated Completion Date
<p>SR63, Lake Jackson Ecopassage Leon County, Florida</p>	<p>Clay Hunter FDOT District Three 1074 Highway 90 Chipley, Florida 32428 850.415.9479</p>	<p>EC Driver designed and constructed wildlife barrier walls to keep wildlife from entering the roadway and constructing concrete box culverts under SR 63 (US 27) for the safe passage of wildlife, from Clara Key Boulevard to Tower Road. Responsibilities included analysis and development of roadway and drainage plans as well as permitting and public involvement.</p> <p>Project Team: Luis Maldonado, Principal-in-Charge; Clark Stephens, Project Manager/EOR; Don Padgett, Lead Roadway Engineer; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer; Walt Dodson, Drainage Engineer; and James Johnson, Roadway Engineer</p>	<p>October 2009</p>
<p>SR20 (US27) Leon County, Florida</p>	<p>William Barber FDOT District Three 1074 Highway 90 Chipley, FL 32428 850.415.9612</p>	<p>EC Driver provided design services for resurfacing, restoration and rehabilitation of approximately 4 miles of a four-lane, divided rural roadway from Ochlocknee River Bridge to Capital Circle Northwest. Responsibilities included the analysis and development of the roadway and drainage plans.</p> <p>Project Team: Luis Maldonado, Principal-in-Charge; Don Padgett, Project Manager; Clark Stephens, Lead Roadway Engineer/EOR; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer; Walt Dodson, Drainage Engineer; and James Johnson, Roadway Engineer</p>	<p>October 2009</p>
<p>SR16 St. Johns County, Florida</p>	<p>Leigh Ann Bennett FDOT District Two 1109 South Marion Avenue Lake City, FL 32025 386.961.7451</p>	<p>EC Driver design 5.2 miles of new alignment, controlled access roadway from SR16 to US-1. The proposed roadway is a divided, four-lane rural roadway. The project scope of services included developing Phase II (60%) plans for only those components needed to determine right-of-way requirements. The project includes one at-grade intersection (SR-16), two grade separations (Woodlawn Road & FEC Railroad/US-1), and an interchange at US-1. The roadway profile grade and pond design were complicated by high water table elevations along the project corridor. The corridor also passes through the Twelve Mile Swamp environmental area. The horizontal alignment was set to minimize impacts to wetlands within this area. Coordination with the ARC as well as SJRWMD was required. Responsibilities included analysis and development of Phase II (60%) roadway and drainage plans.</p> <p>Project Team: Luis Maldonado, Project Manager; Don Padgett, Lead Roadway Engineer/EOR; Clark Stephens, Lead Roadway Engineer/EOR; Derek Johnson, Roadway Engineer; David Gilbert, Roadway Engineer; Dale Mills, Roadway Designer; Walt Dodson, Drainage Engineer; and James Johnson, Roadway Engineer</p>	<p>May 2009</p>

Tab D – Roadway Design Work Category

Process and Procedures

EC Driver maintains a comprehensive library of all required FDOT standards, codes, rules, directives and specifications that support our multi-disciplinary design functions, covering virtually any possible requirement. This library is readily available in both digital and hardcopy formats and can be accessed by our staff at any time during the design process for a project. As peer reviews and QA/QC monitoring occurs during project designs, this library resource is well utilized to double check our design requirements and completeness of all submittals.

The professional and technical staff attend special workshops, seminars and continuing education courses to gain the latest knowledge of these code and regulatory requirements. EC Driver is familiar with and will use criteria and standards for roadway design such as the FDOT Plans Preparation Manual, FDOT Design Standards, Green Book, and FDOT Specifications.

Special Resources

EC Driver has a wide variety of hardware and software systems that will support the tasks that may be assigned under this project. The table below details the resources available to the EC Driver.

EC DRIVER'S RESOURCES

RESOURCE	SOFTWARE	HARDWARE/OS	USES
Software	Frontpage2000	Windows2003 Server	Web publishing
	MicroStation V8i	Windows XP, Windows 7	Computer aided design and drafting software
	Transsoft Autoturn	Windows XP, Windows 7	Computer aided design and drafting software
	Transsoft Guidesign	Windows XP, Windows 7	Computer aided design and drafting software
	Geopak	Windows XP, Windows 7	Computer aided design and drafting software
	Microsoft Office Professional 2010 – Core Programs and Category Programs	Windows XP, Windows 7	Create, control and deliver more secure, high-quality Adobe PDF documents
	Adobe Acrobat 8 Professional	Windows XP, Windows 7	Converts your business's documents to Adobe PDF files,
Communication	Corporate high-speed WAN for access to E-mail, Accounting, HR, FTP site and secure folders	Windows Server 2003, Complete Archival Backup System	Project management, data transfer, data security, and coordination
	Internet Web Hosting	Windows Server 2003, Solaris 9	Internet access, web hosting, data and GIS services, and database access
Plotting		Various Printer and Plotters	Report and Map Production

Tab D – Roadway Design Work Category

Willingness to Meet Schedule and Budget Requirements

EC Driver utilizes a formal system for management and control of contracts, which consists of the following components:

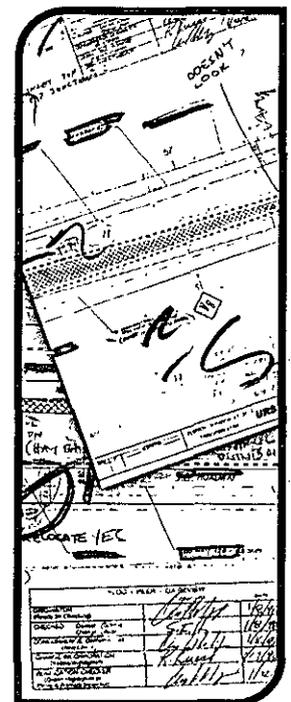
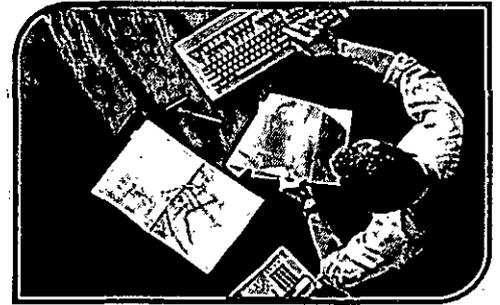
Project Management

- ❖ **Management and Control Responsibilities** – *Luis Maldonado* will serve in the role of the Principal-in-Charge /Contract Manager (PIC), who will independently track the progress and performance of work under the contract and coordinate with the Program Manager. The PIC will be responsible for all overall services delivery under the Civil Engineering Services, Continuing Supply contract, as well as the County's satisfaction with EC Driver's services.

The Project Manager, *Don Padgett*, will independently monitor progress and performance on all assignments to ensure that work is being performed in a cost-effective, timely, and technically proficient manner. If management intervention is required, the Project Manager will work with the Task Leaders to identify and implement corrective actions necessary to ensure that the County's project objectives are achieved within the established cost, time, and quality guidelines.

The key element to successfully executing a general services contract is to have a strong, knowledgeable Project Manager for project assignments. The assigned Program Manager will be the primary point of contact for the County's Program Manager, and is responsible to complete the assignment on schedule and within budget. EC Driver's accounting system provides weekly reports of labor and financial progress on projects so the Project Manager can easily track the project budget and identify early on if adjustments must be made to project staffing, deliverables or schedule.

- ❖ **Project Communications** - We recommend the County's Project Manager be the single point of contact each project. All communication to the County would flow through this point of contact. Project status meetings will be held at regular intervals to review work progress and identify any issues or additional scope needs. Status briefings, formal presentations, and workshops are encouraged to facilitate communicating significant technical or other issues, or potential schedule delays.
- ❖ **Quality Assurance and Quality Control** - EC Driver has a formal Quality Management System (QMS) that complies with ISO 9001. All staff must take training on how to implement and follow this quality program. The program consists of project quality reviews that require forms to be filled out by the checker and originator of the work product. This documentation becomes part of the project record. The reviews required for all projects



Tab D – Roadway Design Work Category

include Detail Checks – to check data, calculations and results, and Internal Technical Reviews – to ensure the reasonableness of assumptions, methodologies and results. Other types of reviews for specific project types, such as constructability reviews, are also required as appropriate. At project milestones of long-term projects, and at the completion of all projects, project managers are required to submit Client Feedback Forms to the Client for his/her feedback on our services, and how we can improve. This feedback is also included in the project record. To ensure the QMS is being implemented, internal quality audits are done on a monthly basis.

Project Delivery

The EC Driver has extensive experience with general services type contracts. EC Driver completed over 12 roadway design projects for FDOT District Three's miscellaneous design contract over a year and a half and under FDOT District Three's Districtwide Drainage contract completed 40 assignments over the past 3. These projects, along with other work assignments, were submitted within the project schedule. With the staff available in EC Driver's Tallahassee office and URS' Tallahassee and Tampa offices, we are able to work on multiple assignments for multiple clients at any given time.

Our ability to complete projects on time is largely due to 1) realistic schedules are developed at the start of any project, and 2) project staff has worked together for many years, and 3) the project team has significant experience in the design of roadways and bridges.

Project Budgets

The EC Driver prides itself in delivering projects with budget and with limited change orders. With the initial project deliverable, we develop a project budget. This is then compared to the client's available funding. Provided sufficient funds are available, work will continue and estimated construction costs will be refined. If it appears that insufficient budget is available, the client is notified. EC Driver and the client will then review the project goals to determine how it can be modified to fit the available budget.

With each deliverable, an estimated cost of construction is provided. These costs are developed by obtained vendors' quotes and using the EC Driver's library of construction costs. We have consistently developed final construction cost estimates that at 10 to 15% above the awarded contract price. Once into construction, change order values have ranges from 1 to 2 %.

Tab D – Roadway Design Work Category

Effect of Firm's Recent, Current and Projected Workload

Current Workload and Projected Workload

The individuals included in this submittal are available and committed to serving the needs of Leon County for the duration of this assignment. EC Driver's workload maintains a steady, manageable level because our size and repeated successful partnerships afford us the valuable commodity of flexible staffing in response to our Clients' needs. We anticipate that a large percentage of our work will continue to come from repeat clients throughout the coming year. Our staff of highly-qualified professionals and technicians is of sufficient depth and breadth that we can, as necessary, immediately assign additional staff on short notice to meet any unforeseen manpower requirements without sacrificing the quality of our work. We have consistently demonstrated our ability to perform technically-demanding assignments of all sizes within strict time frames, allowing for client and regulatory review.

In addition to the project team presented in this response, EC Driver has access to over 17 state-wide employees should the need for additional resources be required. The table presented in the above subsection entitled Work Currently under contract provides a summary of the EC Driver's commitments. We are confident that our collective knowledge and expertise will provide a tremendous value to Leon County.

Most of our on-going projects are due for completion in less than nine months with most of the work completed by the time design begins on this project. As shown by the percentages available, our team is available to proceed with task assignments immediately, and we can handle multiple tasks on accelerated schedules.

Ability to Absorb Projects from this Contract

EC Driver has the capability to manage projects of varying complexity and scale. We understand the resource commitments and attention to detail that are required to keep projects on schedule. EC Driver values the opportunity of providing professional services to the County and is prepared to give this project the attention it demands and deserves.

We are prepared to make the following commitments to the County:

- ❖ *Abilities of Project Teams* - We commit to select our most highly qualified professionals in the disciplines required and we are prepared to assign them on a priority basis.
- ❖ *Prioritization of Assignments* - Our project team is committed to each assignment for as long as it takes to complete the work.
- ❖ *Project Manager/Task Leader Commitment* - We recognize the important role of the Project Manager and his task leaders in maintaining workflow and meeting production deadlines. As such, the Project Manager will be carefully selected to ensure that the project is completed on time, on budget, and in a technically competent and complete manner.
- ❖ *Staff Redundancy* - EC Driver has more than adequate staff to perform multiple assignments at any given time. By utilizing a Project Manager and multiple Task Leaders, staff resources can be easily managed. The use of Microsoft Project will enable the PM to recognize when additional resources are needed to meet deadlines.

Tab D – Roadway Design Work Category

In addition to highlighting that EC Driver possesses the ability to identify backup staffing capabilities, our preferred approach is to identify *qualified staff members that are not over committed*. This approach is based on our experience that the best way to deal with overload situations is to avoid them altogether. We commit to adhere to this philosophy in the execution of this contract, and in so doing will strive to avoid assigning key individuals who cannot give the appropriate level of attention to individual assignments.

In the event that the unforeseen occurs and an overload situation does occur, the Principal-in-Charge will work with the Contract Manager to identify staff professionals that are available and possess the skills necessary to lend effective assistance.

Tab D – Roadway Design Work Category

Effect of Project Team Location

EC Driver's office is located only 1 mile from Leon County's Public Works facilities which further facilitates communication and the ability to respond quickly to the County's needs. This contract will be managed out of EC Driver's Tallahassee office.

Tab D – Roadway Design Work Category

Approach to the Project

The EC Driver has extensive experience working with task order based contracts. Through this experience we have developed a method to approach each task work order. Working with the County's Project Manager, our Project Manager, Don Padgett, will discuss and identify possible Task Work Order needs. Once a concept for a Task Work Order is determined, the appropriate Task Leader and staff will be identified, and will provide the County Project Manager a scope, fee and schedule for review and comment. Revisions will be made as necessary and resubmitted for approval.

As the work for each task work order progresses, the Task Leader will coordinate directly with the appropriate County staff member(s) until the task is complete. The required quality control processes will be implemented throughout the duration of the work. EC Driver's accounting system will assist the Project Manager and Task Leaders to ensure they complete your projects on schedule and within budget. If additional scope work is required and requested by the County, a change order will be provided to the County and approved prior to commencing additional work.

Once a scope of services, fee schedule, and project schedule for the project have been approved by the County, the technical work can begin. The type and complexity of the project will dictate the approach EC Driver will take to complete the work. In all cases, it is recommended that progress submittals be made to allow for County input and comment on the work product.

Generally, EC Driver recommends progress submittals be made at the 30%, 60%, 90%, and 100% design stage. The 30% design submittal would actually be a Preliminary Engineering Report (PER). In the PER, EC Driver would discuss the problem and evaluate alternatives that would solve it. The alternatives analysis would include a review and comparison of available equipment, layouts, etc., that are available. From this, EC Driver would provide a recommendation for the final design approach. The PER would be submitted to the County for review and approval. Once approved, it would become the basis for development of construction plans and specifications.

Based on the approved recommendations, construction plans and specifications would be developed. The 60% submittal would consist of design plans and a preliminary construction cost estimate. The County would be given time to review the submittal, followed by a review meeting to discuss County comments. Once this has been accomplished, the plans and specifications would be finalized. The County would be provided with 90% and 100% submittals to provide final comments.

For projects that will result in a study or master plan, EC Driver recommends a different approach. Once the project has been established, a Memorandum of Understanding will be developed wherein the goals and objectives of the study will be identified and the assumptions that will be made in preparing the study identified. This will be submitted to the County for review and approval. In this way, the project team and the County will have agreed on the approach and methodology which will be used to develop the end product.

Once the Memorandum of Understanding has been approved, the work can begin. EC Driver would recommend that submittals be limited to 90% and final. Since the approach and methodology will have been previously agreed to, the first review submittal can be made at the 90% stage. The County will be given several weeks to review the document. Once comments are received, a review meeting will be held to discuss the comments. This will be repeated for the 100% submittal. Obviously, more complex projects will require interim review points that will be established jointly by the County and EC Driver Project Manager.