

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

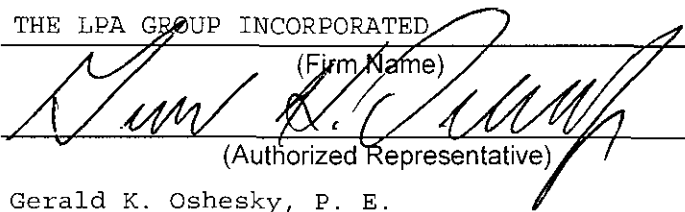
THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

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 THE LPA GROUP INCORPORATED
(Firm Name)

(Authorized Representative)
Gerald K. Oshesky, P. E.
(Printed or Typed Name)

ADDRESS Atkins Building, Suite 100
1320 Executive Center Drive

CITY, STATE, ZIP Tallahassee, FL 32301

TELEPHONE (850) 205-0460

FAX (850) 205-0461

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

Addendum #1 dated 3-3-2011 Initials MRO Addendum #3 dated _____ Initials _____
Addendum #2 dated 3-8-2011 Initials MRO Addendum #4 dated _____ Initials _____

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

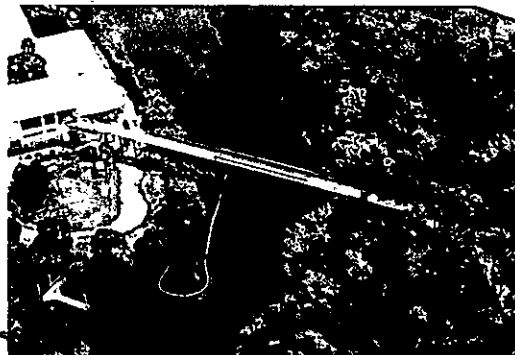
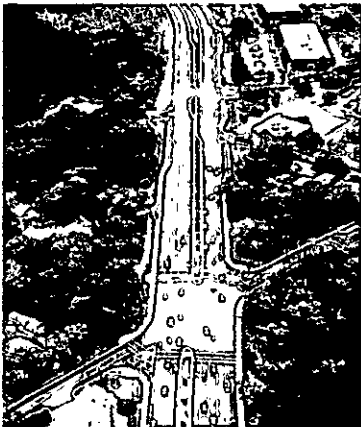
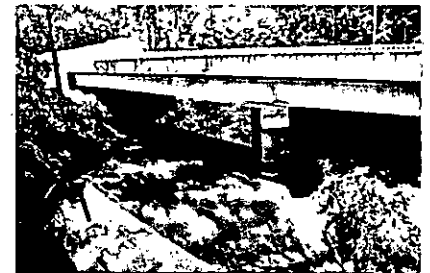
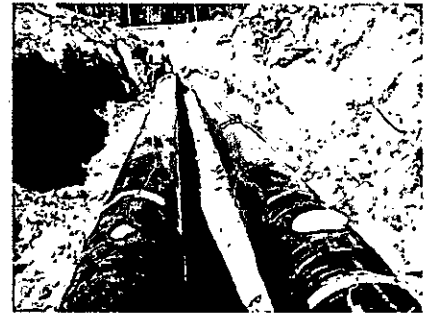
- a. Stormwater Engineering
- b. Roadway Design
- c. Traffic and Intersection Engineering
- d. Structural Engineering
- e. Geotechnical Services
- f. Environmental Support Services
- g. Construction Engineering and Inspection Services
- h. Surveying
- i. Subdivision and Site Development Engineering
-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

PROPOSAL

Proposal Number: BC-03-17-11-25

Civil Engineering Services, Continuing Supply

Stormwater Engineering
Roadway Design
Structural Engineering
Construction Engineering and Inspection Services
Parks and Recreation Facility Engineering



prepared for



Leon County, Florida

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A Unit of Michael Baker Corporation



March 17, 2011

Leon County Purchasing Division
Attn: Board of County Commissioners
1800-3 Blair Stone Road
Tallahassee, Florida 32308

RE: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25

Dear Board of County Commissioners:

THE LPA GROUP INCORPORATED (LPA) looks forward to the opportunity to work with you and your staff on the referenced contract. LPA and its highly qualified Team brings the expertise required for the work categories identified and any other civil engineering related needs. LPA offers the application of proven innovative project delivery solutions to complete any of the possible project assignments. The Team members have worked with numerous state and local governments, including Leon County and have a first-rate knowledge and understanding of the specific needs and requirements of county agencies. This proposal has been prepared to highlight the qualifications of LPA and our commitment to continuously provide you with a quality product that exceeds your expectations. The following presents several key aspects of LPA's commitment to this project:

- Record of successful performance and quality service, specifically with Leon County and on-call service contracts
- Corporate commitment of all resources necessary for the successful completion of your projects
- The "right-size" firm that can commit sufficient staff and resources to your project while providing you with personalized service and a reasonable price
- Sincere desire to be your consultant and a direct extension of your staff, and to provide a quality product

Mr. Jerry Oshesky, P.E. will serve as the Principal-in-Charge on this contract. Jerry will work very closely with the LPA Project Manager and the County's Project Manager to ensure that the County is receiving personal client service, the submittals are delivered on time and the plans are of the highest quality and properly quality-controlled. He is also responsible for the allocation of staff and resources to supplement the Project Manager's needs.

Mr. Michael Schwier, P.E., designated as Project Manager, will lead the LPA Team. Michael's entire professional career has been in the transportation field, the past 9 years with LPA. He is experienced in all phases of design and construction and has managed numerous bridge, highway and other civil design projects. His commitment to client service, responsiveness and willingness to expend the extra effort assures the County of a successful project on each assignment. Mr. Schwier is the official person authorized to make representations for THE LPA GROUP INCORPORATED. He is located in our Tallahassee office at the following address:

1320 Executive Center Drive
Atkins Building, Suite 100
Tallahassee, Florida 32301
Phone: (850) 205-0460
Fax: (850) 205-0461
Email: MSchwier@lpagroup.com

Leon County Purchasing Division

March 17, 2011

Page 2

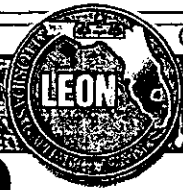
We appreciate the opportunity to submit this Statement of Qualifications for your consideration. This contract is of great interest to our Firm and to our Tallahassee office. THE LPA GROUP INCORPORATED would like to assure you that the project Team will utilize the firm-wide resources, if necessary, to produce the highest quality product on schedule.

Respectfully submitted,

THE LPA GROUP INCORPORATED

A handwritten signature in black ink, appearing to read "PA HLT", with a horizontal line extending to the right.

Paul Holt, P.E.
Senior Vice President



A. CONTRACTOR INFORMATION

THE LPA GROUP INCORPORATED
1320 Executive Center Drive
Atkins Building, Suite 100
Tallahassee, Florida 32301
Phone: (850) 205-0460
Fax: (850) 205-0461
Contact: Gerald K. Oshesky, P.E.
Assistant Vice President
GOshesky@lpagroup.com





B. EXECUTIVE SUMMARY

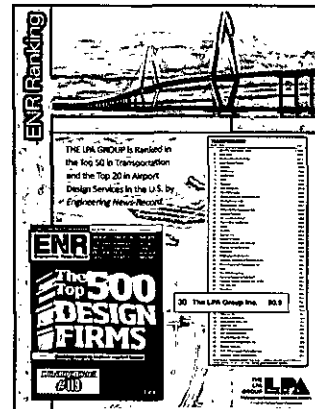
"RANKED #30 IN TOP 50 TRANSPORTATION DESIGN FIRMS" BY ENR MAGAZINE

THE LPA GROUP's financial success is evidenced by the Firm having been ranked in the Top 500 Design Firms by *Engineering News-Record* for the past 18 years, and in the Top 50 Transportation Design Firms for the past ten years. The Firm is currently ranked **#119 in the Top 500** and **#30 in the Top 50 Transportation Design Firms**.

Established since 1981, **THE LPA GROUP (LPA)** is a full service, civil engineering firm with several offices in Florida and elsewhere serving both private and public clients in southeast, southwest, and central Florida. LPA's professional staff of 475 includes engineers, architects, planners, environmental scientists, construction managers, resident inspectors, graphic designers, and computer experts complemented by management and marketing specialists. Due to their diversified experience, LPA employees have a high level of understanding of the project requirements from conception to completion.

LPA professionals recognize that each project offers an opportunity to provide excellent client service, which is the basis of our mission statement. Our commitment to providing personal attention and responsive service sets THE LPA GROUP apart from other firms.

Effective May 1, 2010 LPA merged with Michael Baker Corporation (Baker) and now operates as a Unit of Michael Baker Corporation. Since the recent merger between LPA and Baker, our Firm has grown from a privately-owned operation with approximately 475 employees in 23 offices to a large consulting Firm with over 2,900 employees located in over 85 offices. This document presents information as to LPA qualifications and experience only. The combined company resources are available and can be provided, if requested. The joint capabilities of both firms significantly expands our ability to provide exceptional service on upcoming projects.



COMMITMENT TO PROJECT

The LPA Team is prepared to commit to this contract the level of manpower and resources necessary to provide professional services in the specified areas of: Stormwater Engineering, Roadway Design, Structural Engineering, Construction Engineering and Inspection, and Parks and Recreational Facility Engineering services to the complete satisfaction of County Project Managers, the Director of Public Works and the Leon County Board of County Commissioners.

FISCAL RESPONSIBILITY

LPA has a noted history of fiscal responsibility, which will become increasingly important once these projects are underway. Since the Firm's establishment in 1981, we have demonstrated a responsible approach to all financial matters. Our prudent fiscal policies extend corporate finances to the hundreds of millions of dollars in federal, state and local funds spent on projects planned and designed by our firm.

ABILITY TO MEET DEADLINES AND SCHEDULING

THE LPA GROUP has a proven track record in performing and meeting tight schedules. We fully understand that this is a high priority item with clients; therefore, we will meet all deadlines established for your projects. Our past successful experience and multiple reselections with On-Call design services is a proven record of our commitment to meet deadlines.

The ability to meet project schedules is an integral and vital part of the success of the projects that LPA takes very seriously. Realistic project schedules are discussed at the onset of the projects and developed for use during the design. The Firm's principals and project managers take any necessary action to assure that milestones are continuously met. In addition, LPA construction managers continually stress the importance of meeting schedules to guarantee a timely completion with minimal disruption to the public.

RESPONSIVE TO COUNTY'S NEEDS

Through years of Stormwater and Structural engineering, Roadway design, Parks and Recreational Facility engineering, and Construction Engineering and Inspection experience, LPA has established the coordination mechanisms necessary to properly execute each project element. Our special expertise, however, lies not only in our knowledge of consulting services, but, more



importantly, in our ability to implement the County's needs, knowledge to adhere to the County, FDOT, and AASHTO design criteria, the desire to work with Leon County and permitting agencies on any and all matters, and our proven capability of working directly with, and serving as an extension of, the County's staff.

The design team is dedicated to keeping the County informed of expected project costs by continually updating cost estimates. As the design progresses, estimated quantities will be replaced by design quantities, in an effort to keep track of estimated construction costs.

FULL SERVICE CAPABILITIES

THE LPA GROUP INCORPORATED is fully capable of acting as an extension of the County's staff to administer all required engineering design services for the preparation of plans and specifications meeting the County's requirements. LPA's transportation experience encompasses a broad range of projects with variable complexities, including minor projects such as roadway milling and resurfacing and stormwater modeling. Major projects include the construction of limited access highways, interchange modifications, and complex bridge designs. The following is a list of LPA's pre-qualification work classes for the Florida Department of Transportation:

- 2.0 Project Development & Environmental Studies
- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Complex Highway Design
- 4.1 Minor Bridge Design
- 4.2 Major Bridge Design
- 5.1 Conventional Bridge Inspection
- 5.3 Complex Bridge Inspection
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3 Traffic Control Systems Analysis, Design and Implementation
- 7.1 Signing, Pavement Marking and Channelization
- 7.2 Signalization
- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI
- 13.4 Systems Planning
- 13.5 Sub area/Corridor Planning
- 13.6 Land Planning/Engineering

FAMILIARITY WITH PROJECT

LPA's key personnel have been involved with numerous projects in Leon County similar to what may be assigned under this contract. We feel we have a clear understanding of the scope of the variety of these projects and can meet all of the County's needs.

WORK LOAD

The current and projected work commitments for the professional, technical, and supporting staff of LPA are low with respect to the capabilities of the staff to effectively prosecute additional work commitments. We are prepared to begin work on your projects immediately.

Our philosophy toward client service has generated a level of trust between LPA and our clients. This philosophy and manner of conducting business provides you with the comfort of knowing that issues are appropriately handled in a professional manner and that you are kept informed of these issues as they arise. We benefit from a significant amount of repeat business, and many of our clients have rewarded us with multi-year, open-ended agreements. Many of these Clients are repeat clients who demand the utmost in professional integrity and competence from their transportation consultant.

M/WBE PARTICIPATION

THE LPA GROUP INCORPORATED actively seeks and utilizes Minority and Woman-Owned Business Enterprises in planning, engineering design, environmental, and construction projects and has retained the services of several qualified MBE/WBE subconsultants for this contract. If selected, the utilization of these subconsultants toward meeting and exceeding the County's MBE participation goal will be our utmost priority. LPA commits to a goal of 20% participation for M/WBE involvement.

This proposal has been prepared in response to RFP Proposal Number BC-03-17-11-25, and is in all respects fair and in good faith without collusion or fraud. The signer, Gerald K. Oshesky, P.E. has the authority to bind principal proponent.

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

**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: THE EPA GROUP INCORPORATED

Signature: *[Handwritten Signature]* Title: Assistant Vice President

STATE OF Florida
COUNTY OF Leon

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

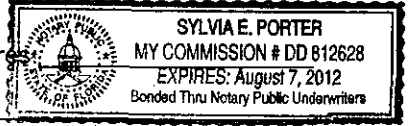
Personally known

Sylvia E. Porter
NOTARY PUBLIC

OR Produced identification _____

Notary Public - State of _____

(Type of identification)

My commission expires _____


Printed, typed, or stamped
commissioned name of notary public

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

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

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

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:

Assistant Vice President

Firm:

THE LPA GROUP INCORPORATED

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

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 Paul A. Holt, P.E.
Typed or Printed

Signature 

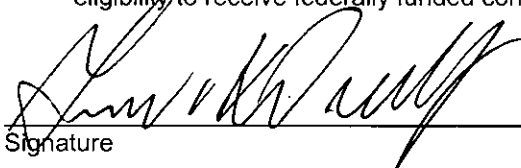
Date March 10, 2011

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

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

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

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



Signature

Assistant Vice President

Title

THE LPA GROUP INCORPORATED

Contractor/Firm

Atkins Bldg., Suite 100, 1320 Executive Center Dr., Tallahassee, FL 32301

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: THE LPA GROUP INCORPORATED	
Current Local Address: Atkins Building, Suite 100 Tallahassee, FL 32301	Phone: (850) 205-0460 Fax: (850) 205-0461
If the above address has been for less than six months, please provide the prior address. N/A	
Length of time at this address:	
Home Office Address: 700 Huger Street Columbia, SC 29201	Phone: (803) 254-2211 Fax: (803) 779-8749

Gerald K. Oshesky
Signature of Authorized Representative

3/17/11
Date

STATE OF Florida
COUNTY OF Leon

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

By Gerald K. Oshesky, of THE LPA GROUP INCORPORATED,
(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)

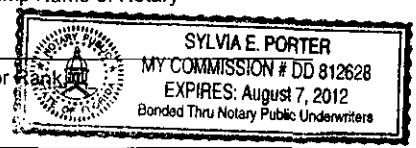
or has produced _____ as identification
(type of identification)

Sylvia E. Porter
Signature of Notary

Return Completed form with supporting documents to:

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

Print, Type or Stamp Name of Notary



Title or Rank

Serial Number, If Any

Work Category

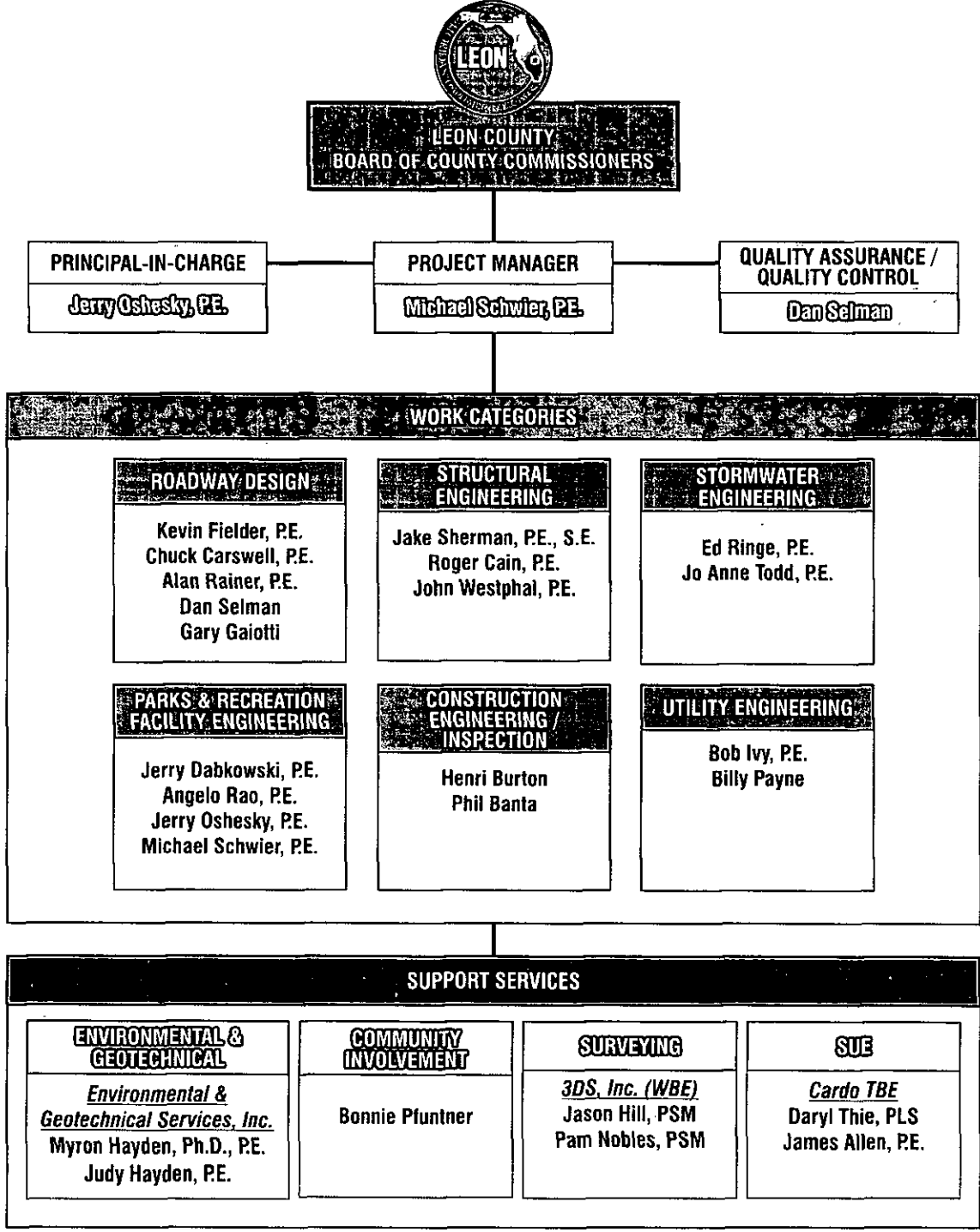


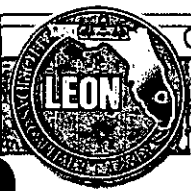
THE LPA GROUP
TRANSPORTATION CONSULTANTS
A Unit of Michael Baker Corporation



A. ABILITY OF PROFESSIONAL PERSONNEL

1. Provide the total number of professionals in your organization who may be assigned to this category of project and their availability to provide services on relatively short notice for the small to medium size projects that are contemplated in this contract.





Work Category	Personnel	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12
Stormwater Engineering	Ed Ringe, PE.	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%	60%
Stormwater Engineering	Jo Anne Todd, PE.	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Dan Selman	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Kevin Fielder, PE.	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Chuck Carswell, PE.	40%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Alan Rainer, PE.	20%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Gary Gaiotti	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Structural Engineering	Jake Sherman, PE., S.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	Roger Cain, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	John Westphal, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Henri Burton	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Phil Banta	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Jerry Dabkowski, PE.	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Angelo Rao, PE.	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Parks & Recreation	Jerry Oshesky, PE.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Parks & Recreation	Michael Schwier, PE.	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Utility Engineering	Billy Payne	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Utility Engineering	Bob Ivy, PE.	50%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Community Involvement	Bonnie Pfuntner	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%

2. Give brief resume of key persons to be assigned to the project, including but not limited to: 1) Name & title 2) Job assignment for other projects 3) How many years with this firm 4) How many years with other firms 5) Experience a) Types of projects b) Size of projects (dollar value and scope of project) c) What was the specific project involvement? 6) Education 7) Active registration 8) Other experience and qualifications relevant to this project.

The resumes can be found on the following pages.

QUALIFICATIONS:

B.S., Civil Engineering, 1964
West Virginia University

B.S., 1962
Davis & Elkins College, Elkins, West Virginia

REGISTRATION:

Professional Engineer (FL #13580)

PROFESSIONAL EXPERIENCE:

1964 - 2011 (Career)
2003 - 2011 (LPA)

Senior Drainage Engineer
THE LPA GROUP INCORPORATED

Mr. Ringe specializes in roadway and storm drainage design, bridge hydraulics design, stormwater management systems and stormwater master plans. During a career that spans over 45 years, Mr. Ringe's experience includes roadway and drainage design from 3-R multi-lane reconstruction to limited access projects, drainage studies and remediation design, stormwater management design and master planning and post-design construction services enhanced by a background in roadway construction, materials testing, precast and prestress concrete inspection. As a senior drainage engineer and diverse background, Mr. Ringe is able to provide outstanding QC expertise.

Following 30 years of progressively responsible service with the Florida Department of Transportation from June 1964 - June 1994, Mr. Ringe has continued his career in the private sector by providing senior stormwater management, and drainage design and quality assurance services on many FDOT, County and Municipal projects.

LPA project experience:

Mr. Ringe has been responsible for stormwater/hydraulic design, and highway design support on:

AREAS OF EXPERTISE:

- **Roadway Design**
- **Bridge Hydraulics Design**
- **Stormwater Management Systems**

Holmes County Bridge Replacement Project for FDOT District Three – Sr. Drainage Engineer for replacement of one-lane timber bridges with bridge culverts on Corinth Road over Otter Creek and Bonifay-Chipley Road over Camp Branch.

SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Sr. Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.

SR 61 from Lost Creek Bridge to US 98, in Wakulla County for FDOT District Three – Bridge Hydraulics, Drainage Design and Permitting for four mile widening and realignment from two-lane rural to four-lane urban with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement.

SR 10 (US 90) Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, in Leon County for FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

SR 20 (US 27) from Leon Co. Line to Waukeenah in Jefferson County for FDOT District Three – Milling and resurfacing of a 13 mile segment of a four-lane rural roadway including evaluation and recommendations of all existing drainage facilities for serviceability and function.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Agricultural Interdiction Station on I-95 in Nassau County for FDOT District Two – Drainage design and permitting for site expansion of existing facility including interstate ramp widening.
- Agricultural Interdiction Station on I-10 in Escambia County for FDOT District Three.
- Blueprint 2000 (a City of Tallahassee/Leon County joint agency): Ed provided technical development of the Blueprint 2000 stormwater technical specifications and standards and project concept reports. He also provided technical review support on proposals for three segments of the Capital Circle projects totaling eight miles. These projects were for the reconstruction of the two-lane rural truck route around Tallahassee to a six-lane urban curb and gutter roadway, including sidewalks and a meandering trail using both design/bid/build and design/build contract formats. Ed also served as the GEC Project Manager on the first Capital Cascades Trail Master Plan project, and remains the hydrologic technical advisor for the Capital Cascade Trail project. Capital Cascade Trail is a 4+ mile restoration of the St. Augustine Branch from a ditch to a linear trail and improved conveyance system to address stormwater treatment and attenuation facilities to reduce flooding in downtown Tallahassee. Ed is also responsible for stormwater management and drainage design review for the other Blueprint 2000 projects as an on-call staff member of the GEC.
- John James Audubon Bridge, Louisiana (2004 - Present): Ed Ringe acted as an owner's representative in the development of the Hydrology (roadway drainage) technical specifications for the Louisiana Timed Managers (LTM) on the J.J Audubon Bridge project. LTM is the GEC for the Louisiana Department of Transportation and Development (LDOTD). J.J. Audubon Bridge is a 1583' cable-stayed bridge structure over the Mississippi River, over 12,000 linear feet of approach bridge structures and over 12 miles of new roadways, connect US 61 in West Feliciana Parish, LA to LA Route 10 in Pointe Coupee, LA. Approaches to the main bridge, as well as various bridges along the alignment consist of conventional steel and concrete girder structures. Ed subsequently served on the technical evaluation committee for the approach roadway and drainage component and also on the main channel structure scour technical proposal evaluation. The project technical specifications allowed the use of the FDOT scour equations and procedures for complex piers on all bridge structures.

Project experience prior to LPA:

As Senior Stormwater Engineer, Mr. Ringe has been responsible for the stormwater/hydraulic design on numerous major public work projects for FDOT:

- FDOT, Hopkins Creek Design Build District 2 (Design Project Manager)
- FDOT, US 98, Bay County – 3-level phased interchange at Thomas Drive
- FDOT, SR 79, Bay County, 3 projects – 2 to 4-lane reconstruction - 17 miles
- FDOT, SR 202, Duval County – 4 to 6-lane reconstruction - 5 miles on site Stormwater treatment
- FDOT, I-75, Hamilton County – 4 to 6-lane reconstruction - 28 miles
- FDOT, SR 261, Leon County – 2-lane RRR project - 4 miles
- FDOT, SR 16, St. John County – 4-lane reconstruction and bridge replacement

QUALIFICATIONS:

B.S., Civil Engineering, 1981
University of Alabama

REGISTRATION:

Professional Engineer (FL #38850)

PROFESSIONAL EXPERIENCE:

1981 - 2011 (Career)
2005 - 2011 (LPA)

Stormwater Engineer
THE LPA GROUP INCORPORATED

Ms. Todd specializes in the design of stormwater management systems.

LPA project experience includes:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Pensacola Regional Airport Rental Car Facility – Stormwater design and permitting.
- SR 61 from Lost Creek Bridge to US 98 – Wakulla County, Florida, FDOT District Three – 4.1-mile widening and realignment from two-lane rural to four-lane urban and suburban roadway with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement and stormwater design.
- SR 10 (US 90 Drive) from Dempsey Mayo to four-lane at I-10 interchange – Leon County, FDOT District Three – Reconstruction of a three-mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks that also included stormwater design and permitting.
- SR 30 (US 98) over Bayou Chico; Escambia County, Florida – Stormwater design, Bridge Hydraulic Report and permitting for a bridge replacement and roadway improvements.
- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Subconsultant role for the design and permitting of drainage and stormwater facilities on roadway widening from five lanes to seven lanes.
- City of Tallahassee, Tallahassee Regional Airport – SIS Connectors – Performed drainage design services in widening turn lanes, drainage improvements, and access management – 1.35 miles.
- Northwest Florida Regional Airport Rental Car Facility – Stormwater design and permitting.
- Agricultural Interdiction Station on I-95, Nassau County, FDOT District Two – Site expansion of existing facility including interstate ramp widening and stormwater design and permitting.

Project experience prior to joining LPA includes:

- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Project Engineer for the design, permit drainage and stormwater facilities on roadway widening from five lanes to seven lanes.

AREAS OF EXPERTISE:

- *Stormwater Design*
- *Stormwater Master Plans*
- *Permitting*

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Parker Master Plan and Inventory, Parker, Florida – Consultant on this project to inventory all drainage structures and pipes 18" and larger within the city. The project also included establishing watersheds and developing a Stormwater Master Plan for the city, including conceptual plans for budget and priority planning.
- Parker Bayou North Watershed, Parker, Florida – Consultant on the design and permit construction plans to implement improvements on this watershed.
- Martin Lake South Watershed Implementation Project, Parker, Florida – Designed and developed construction plans to address water quality and flooding issues within this watershed and for the stormwater management facilities and conveyance improvements for the PEEP Park project within the watershed.
- Callaway Stormwater Master Plan, Callaway, Florida – Stormwater facility inventory and watershed analysis.
- Stormwater Improvement Projects: Plantation Way; Donna Avenue / Howard Road; Chico Lane / Hugh Thomas Drive; and LaCosta Avenue, Callaway, Florida – Evaluated drainage problem areas which were causing flooding and related pavement problems. Developed design and construction plans to correct the identified problems.
- SR 16, FDOT, St. Johns County – Project involved a four-lane reconstruction with curb and gutter, including a bridge replacement. Project Engineer on the design and permit construction plans for a stormwater treatment system.
- I-75, FDOT, Hamilton County – Project Engineer on drainage redesign and roadway widening from four lanes to six lanes involving 28 miles of Interstate 75.
- SR 261, FDOT, Leon County – Project Engineer on resurfacing, reconstruction, and rehabilitation including drainage design.

PROFESSIONAL EXPERIENCE:

1977 - 2011 (Career)
 2002 - 2011 (LPA)

Project Manager
THE LPA GROUP INCORPORATED

Dan has over 33 years of engineering experience in virtually all disciplines of Highway Engineering including GEC Contract Management, Roadway Design, Surveying and Construction Management. Dan provides technical expertise and Quality Assurance and Quality Control for LPA's FDOT projects. Dan has served as Project Manager and Senior Designer on several FDOT widening and milling and resurfacing, reconstruction and realignment projects. The table below lists some of those projects and the grades each one received.

Project / District	Components	Final Grades
US 27 (SR 20)	7 miles of resurfacing	Quality 4.0 (new grading system)
I-75 widening projects D2	30 miles of resurfacing, widening and safety modification	Design 92 Construction 100
SR 16 Lewis Speedway to CSX RR / D2	New alignment 4-lane urban	Design 94 Construction 100
SR 263 at US 27	Intersection improvements/ right turn lane design	Design 95 Construction 97
SR 263 NW resurfacing D3	2.5 miles of resurfacing, safety modifications and stormwater improvements	Design 92 Construction 94

AREAS OF EXPERTISE:

- Project Management
- Program Management
- CEI Services
- Roadway Design
- Surveys

LPA project experience includes:

- Neighborhood Enhancement Program for City of Tallahassee – Project Manager for GEC contract, included consultant project management, plans review, contract administration and preparation of scope documents.
- SR 128 from Lane Ave. to Cassett Ave. in Duval County for FDOT District Two – Quality Assurance/Quality Control Manager for milling and resurfacing of a one mile segment of four-lane urban roadway with curb and gutter and sidewalks.
- Olustee Creek Crossing in Union County for FDOT District Two - Project Engineer for milling and resurfacing of one mile of 2-lane rural highway.
- SR 20 (US 27) in Jefferson County for FDOT District Three – Project Engineer for seven miles of resurfacing of 4-lane divided rural highway.
- Turnbull Creek Bridge Replacement in Volusia County for FDOT District Five – Project Engineer for roadway reconstruction. Duties included maintenance of traffic design, signing and pavement marking design for approaches and temporary bridge.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Quality Assurance/Quality Control Manager for milling and resurfacing of one-mile segment of four-lane urban roadway. Prepared ADA Report for existing sidewalk, including ramp, driveway and cross slope analysis.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- SR 8 (I-10) at SR 95 (US 29) Post Design Services in Escambia County for FDOT District Three – Project Engineer for widening of off-ramp, and frontage road to serve businesses.

Mr. Selman's experience while with other firms includes the following:

- Project Engineer (Design) and Project Manager for all phases of design and management for FDOT and County highway facilities. Duties included design conformance assurance with AASHTO and FDOT criteria, initiated TCP concepts, permitting, providing subconsultant coordination, and directed survey activities. Quality control team leader for all phase reviews.
- Project Engineer CEI - Responsible for contract administration of multiple projects for I-595 system. Duties included coordination between prime contractor and utility owners, weekly progress meetings, coordinated design changes and provided technical details, prepared supplemental agreements and change orders, prepared weekly summaries and monthly estimates, directed survey crews on pre and post construction requirements and performed horizontal and vertical control survey verification.
- CEI Advisory Member - Provided technical assistance for CEI teams statewide. Duties included specification and special provision interpretation, claims review and analysis.
- Assistant Survey Project Manager - Responsible for administration of Districtwide design and right-of-way surveys and miscellaneous County, City and private surveys.
- Project Manager and Senior Project Design Engineer for the following projects:
 - SR-263, Leon County - 4 miles widening, resurfacing, and intersection improvements. Received a final design score of 93 and a final construction score of 94.
 - SR-263 at SR-63, Leon County - Intersection improvement including right turn lane, access management and CAP Plan. Received final design score of 95. Final construction score of 96.
 - FDOT District Three I-10 Welcome Center.
 - I-75 Hamilton County - 30 miles 6 laning including bridge widening and safety modifications. Project was phased into three, ten-mile construction contracts. Received a final design score of 92 and a final construction score of 100 on all three projects.
 - I-75 Hamilton County - 9 miles milling and resurfacing.
 - I-75, Alachua County - Redesign interchange high mast lighting.
 - SR-16, St. Johns County - Realignment, 4 lane rural to 4 lane urban including new bridge structure and intersection improvement. Received a final design score of 94 and final construction score of 100.
 - I-75, Hamilton County - High mast lighting for SR-51 and SR-143 interchanges.
 - Turnpike, St. Lucie County - Bridge and roadway widening with safety improvements.
 - I-75, Hamilton County - Alternate interchange design concepts including additional LA right-of-way requirements, frontage road design and construction estimates.
 - Lee, Hendry and Hardee County - Miscellaneous City and County street new alignment and 3R related projects.
 - A1A, St. Johns County - Reconstruction of 2 lane rural to 4 lane urban section.
 - SR-12, Gadsden County - Widening, resurfacing and safety improvements.
 - District 3 - Miscellaneous design services.

QUALIFICATIONS:

M.S., Civil Engineering (Transportation), 2004
University of Tennessee - Knoxville

B.S., Civil Engineering Technology, 2003
Southern Polytechnic State University

REGISTRATION:

Professional Engineer (FL #70867)

PROFESSIONAL EXPERIENCE:

1998 - 2011 (Career)

2007 - 2011 (LPA)

Design Engineer
THE LPA GROUP INCORPORATED

LPA experience includes:

AREAS OF EXPERTISE:

- **Transportation Design**
- **Horizontal / Vertical Alignments**
- **Concept Layouts**
- **CAD Drafting**

- SR 128 Milling and Resurfacing, Duval County, FL - This project involves the milling and resurfacing of a five-lane roadway for the Florida Department of Transportation. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. Serving as design engineer responsible for pavement design, plans production, ADA coordination, utility coordination, quantities and computation book preparation, specifications package and electronic submittal.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the City of Valdosta, GA. Serving as design engineer responsible for concept development, geometric design, pavement design, plans production, drainage design, quantity calculations and bid package preparation.
- DeFuniak Springs Bypass Feasibility Study, Walton County, FL. This project involves the preparation of a feasibility study for a 10-mile multi-lane bypass around Defuniak Springs. Currently two corridors are under consideration for this bypass. Serving as design engineer responsible for conceptual alignments and public information displays.
- I-75 at SR 31 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing two-lane rural roadway will be widened to a 4-lane urban section with bike lanes, curb and gutter, and sidewalks. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.
- I-75 at SR 133 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing 5-lane urban roadway will be widened to a 6-lane urban section with bike lanes with the addition of bike lanes to the mainline. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- I-95 at SR 251, McIntosh County, GA. This project for the Georgia Department of Transportation involves improvements to the existing interchange including a replacement bridge, reconstructed mainline with asphalt and concrete pavement, and reconstructed concrete ramps with additional turn lanes to improve the overall level of service for the interchange. Serving as design engineer responsible for horizontal/vertical alignments, plan preparation/coordination, maintenance of traffic, and right of way plans.

Work experience prior to joining LPA:

- August 2005 to 2007 – University of North Florida, Jacksonville, Florida – Adjunct Faculty, College of Computing, Engineering and Construction.
- January 2005 to 2007 – Post, Buckley, Schuh and Jernigan, Jacksonville, Florida – Engineer II, Transportation Design Group
 - North Thomas / South Thomas Drive, Panama City Beach Florida. This project for the Community Redevelopment Agency (CRA) involved the widening and realignment of an existing two-lane roadway corridor to a four-lane divided urban section including a dedicated Tram lane. Served as design engineer responsible for horizontal/vertical alignments, maintenance of traffic and utility coordination.
 - Capital Circle Southeast, Tallahassee, Florida. This design-build project for the City of Tallahassee/Leon County Blueprint 2000 agency involved the realignment and reconstruction of a portion of the project bypass around Tallahassee. Served as design engineer responsible for maintenance of traffic plans which include phasing, traffic shifts, and temporary signals.
 - Churchwell Drive, Panama City Beach, Florida. The project for the Community Redevelopment Agency (CRA) involved the realignment and widening of an existing two-lane roadway and bridge. Efforts included coordinating the roadway design portion with an existing set of designed permitted bridge plans. Served as design engineer responsible for horizontal vertical alignments, maintenance of traffic, quantities and construction specifications.
- August 2003 to December 2004 – Southeastern Transportation Research Center, Knoxville, Tennessee – Research Assistant. Research involved updating TDOT planning software (EVE) with social and economic factors to calculate Benefit/Cost ratios for transportation projects.
- August 2002 to August 2003 – Arcadis, Atlanta, Georgia – CAD Technician. CAD drafting and quantity calculations for transportation projects including rural/urban highways, interstates and railroad grade crossing.
- February 1998 to August 2000 and June 2002 to August 2002 – Houston County Public Works Department, Perry, Georgia – Engineering Technician/Field Engineer. CAD drafting, basic roadway/intersection design including geometrics, drainage, signing and marking, quantity calculations, small crew supervision, storm drain system inspections and roadway base/sub-base proof tests.

QUALIFICATIONS:

Bachelor of Civil Engineering, March 1981
Georgia Institute of Technology, Atlanta, GA

REGISTRATION:

Professional Engineer (FL # 56119)

PROFESSIONAL EXPERIENCE:

1981 - 2011 (Career)
2010 - 2011 (LPA)

Roadway Engineer
THE LPA GROUP INCORPORATED

Mr. Carswell, P.E. has over 30 years of construction, design and project management experience in the areas of bridge and roadway construction, and transportation engineering. He has experience in horizontal and vertical geometry design, intersection design, pavement design, quantities computation, construction cost estimates, maintenance of traffic, specifications and bid documents, and utility coordination.

Project experience prior to joining LPA includes:

AREAS OF EXPERTISE:

- **Program and Project Management**
- **Construction Management**
- **Cost Estimates**
- **Utility Coordination**

- SR 69 – FDOT District 3 – Jackson County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for eight miles of SR 69 for the Calhoun County line to north of SR 10 (US 90). The project consists of milling and resurfacing the existing two-lane rural roadway, addition of turn lanes and a signal at the SR 10 intersection, drainage conveyance improvements in the Town of Grand Ridge, and utility coordination and adjustment plans. Construction is anticipated to be completed in 2011.
- Lake Emma Road – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Lake Emma Road from a rural two-lane to urban four-lane section from Longwood Hills Road to Sand Pond Boulevard in a heavily developed residential area. The project corridor runs through rolling terrain and the vertical alignment design was a challenge to provide sufficient vertical curve lengths for the design speed while keeping construction within the 100-foot right-of-way and limiting impacts to existing subdivision walls and adjacent development and design of gravity walls. The project included four signalized intersections, numerous driveway connections, utility coordination, adjustment plans, new utility plans for water and sewer, and seven stormwater retention ponds and drainage conveyance, as well as lift station access pull off lane and associated retaining wall. Construction is anticipated to be completed in 2011.
- SR 742 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for .5 miles of SR 742 (Creighton Road) at the intersection of Keating Road in Pensacola. The project consisted of the milling, resurfacing and widening of SR 742 from a two-lane rural section to a two-lane urban section in a residential corridor and included dedicated left turn lanes, addition of a traffic signal at Keating Road, driveway connections, drainage conveyance system, utility coordination and adjustments. Construction was completed in 2010.
- State Road 292 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications of .3 miles of SR 292 at the intersection of River Road in Perdido Key. The

**PROFESSIONAL
EXPERIENCE**
(Continued):

project consisted of the milling, resurfacing and widening of SR 292 from a two-lane rural section to a three-lane rural section in an environmentally sensitive corridor and included dedicated left turn lanes at River Road, driveway connections, utility coordination and adjustment. The project corridor was within the habitat for the Perdido Key beach mouse and had restrictions for reducing limits of construction and staging areas in order to comply with FWS mandates. Construction was completed in 2009.

- County Road 15 – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.9 miles of County Road 15 from SR 46 to north of Orange Boulevard. Improvements consisted of reconstructing the two-lane rural roadway to a five-lane urban facility with a continuous left turn lane. The project is located in a heavily developed commercial and residential area with numerous intersecting streets and driveway connections. The project included five stormwater management ponds and drainage conveyance systems, two signalized intersections, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2009.
- Conway Road – City of Orlando – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Conway Road from SR 528 (Beachline Expressway) to Hoffner Road. The project reconstructed the rural two-lane roadway to a four-lane divided urban section. The roadway is located in a heavy residential area and included side street and driveway connections, an area of unsuitable soils that was partially excavated and utilized a surcharge program for soils consolidation, three stormwater management ponds and drainage conveyance, three signalized intersections utility coordination, adjustment plans, and new utility plans for water and sewer. Construction is anticipated to be completed in 2011.
- SR 44 – FDOT District 5 – Sumter County, FL – Project Engineer for roadway design and preparation of final construction plans for the reconstruction of approximately 5 miles of SR 44 from east of US 301 to County Road 468. The project consisted of constructing a new parallel two-lane rural roadway and milling, resurfacing and reconstruction portions of the existing rural two-lane roadway, as well as analysis of the vertical geometry and superelevation of the existing roadway to determine the areas of vertical curvature and superelevation that required reconstruction in order to meet current design criteria. In addition, the project had 10 stormwater management ponds and drainage conveyance, and utility coordination and adjustment plans. Construction was completed in 2005.
- Dodd Road, Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.7 miles of Dodd Road from Howell Branch Road to Red Bug Lake Road from a rural two-lane roadway to a four-lane divided urban roadway. The project included driveway and side street connections, a two span bridge over Howell Creek, three stormwater management ponds and drainage conveyance, one signalized intersection, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2005.

American Society of Civil Engineers

**PROFESSIONAL
MEMBERSHIPS:**

QUALIFICATIONS:

B.S., Civil Engineering, 1985
Auburn University

REGISTRATIONS:

Professional Engineer (FL #45708, GA)

PROFESSIONAL EXPERIENCE:

1985 - 2011 (Career)
2007 - 2011 (LPA)

Senior Transportation Manager
THE LPA GROUP INCORPORATED

Mr. Rainer has 26 years of experience in civil engineering and transportation as a project engineer and project manager. He has performed and managed a broad range of highway design tasks, including concept development; horizontal and vertical alignment design; drainage design; signing and marking plans; right-of-way calculations; quantity takeoffs; utility coordination; maintenance of traffic plans; and cost estimating. Mr. Rainer is an experienced project manager and is thoroughly familiar with the Florida Department of Transportation (FDOT) and Georgia Department of Transportation (GDOT) plan development processes, design standards, and specifications. While he has extensive experience managing projects for state DOT's, the vast majority of Mr. Rainer's experience comes from managing multiple projects for several repeat local government clients as a result of the personal service he brings to each project. Mr. Rainer's project experience includes:

AREAS OF EXPERTISE:

- **Project Management**
- **Roadway Design**
- **MOT Design**
- **Design/Build**
- **Quality Assurance**

- Capital Circle, Leon County, Florida.** Prepared maintenance of traffic plans for three-mile section of this design-build contract. Project involves widening existing two-lane rural roadway to four-lane urban section with raised median.
- I-95 SB Agricultural Interdiction Station, Duval County, FL** – Mr. Rainer served as EOR representative during construction phase of this project that had been designed by LPA for the Florida Department of Transportation District Two. Mr. Rainer coordinated all submittal reviews/approvals, attended bi-weekly construction progress meetings, answered all RFI's, oversaw design changes, initiated design changes to solve issues that arose during construction. This project is 95% constructed.
- SR 128 Milling and Resurfacing, Duval County, FL** - Mr. Rainer served as PM and EOR for the milling and resurfacing of a 5-lane roadway for the Florida Department of Transportation District Two. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. The project was designed on time and under budget and construction is about to begin.
- City of Valdosta Program Management, Lowndes County, GA** - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the city of Valdosta, GA. Serving as project manager responsible for overall client contact, scheduling, invoicing, concept development and overall quality control for the design of several intersection improvements and widening projects. Overseeing staff in Jacksonville, FL and Atlanta, GA.
- SR 537, FDOT, District 5, Orange County, FL** - Engineer of Record for approximately 1.027 mile long milling and resurfacing project for a five-lane urban roadway. The

PROFESSIONAL EXPERIENCE
(Continued):

scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates.

- SR 434, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.7 mile long milling and resurfacing project for a four-lane suburban (curb and gutter on outside, grass shoulders with depressed median) roadway. The scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates.
- Alf Coleman Road, Panama City Beach Community Redevelopment Agency (CRA), Panama City Beach, FL - Project engineer for approximate one-mile widening from rural two-lane to four-lane urban section with bike lanes and sidewalks. Project includes intersection improvements at Front Beach, Middle Beach and Back Beach Roads. Project also includes the design of stormwater treatment facilities. Project also involved extensive communication and coordination with affected property owners of which Mr. Rainer served as lead engineer explaining reasoning behind design to property owners.
- SR 10 (Mahan Drive) Reconstruction, Florida Department of Transportation, Tallahassee, Florida. Senior Project Engineer responsible for various quality assurance reviews.
- Hernando Dive, Putnam County Department of Public Works, Palatka, Florida. Project engineer for the design of a 6,200-linear-foot roadway improvement and paving project. Performed horizontal and vertical geometry calculations, prepared all stormwater management district permit applications, prepared final bid documents, and addressed design issues during construction.
- Waldo Road (SR 24), FDOT District Three, Alachua County, Florida. Project engineer for approximate 4.5-mile resurfacing project. Prepared typical section package, traffic control typical sections, performed quality control for 30 percent roadway plans submittal, and provided peer review for final specifications submittal.
- Palmetto Expressway (SR 826) at NW 103rd Street, FDOT, Miami, Florida. Performed drainage design and prepared signing and marking and maintenance of traffic plans for preliminary and final design for the widening of 6,200 feet of Palmetto Expressway interchange over NW 103rd Street. Project also involved significant improvements to various surface streets in the vicinity.
- I-275, FDOT, Tampa, Florida. Performed quality assurance review for the widening of I-275 from Tampa Bay to just past Dale Mabry Boulevard near Tampa International Airport. Project included several new interchanges with extensive frontage roads, collector distributor roads, and on/off ramps. Review included checking alignments and profiles for conformance to FDOT standards, geometric correctness, and overall project conformance to predicted traffic.

PROFESSIONAL MEMBERSHIPS:

American Society of Highway Engineers (ASHE)
CHI Epsilon (Civil Engineering Honor Society)
National Society of Professional Engineers (NSPE)
Florida Engineering Society (FES)

QUALIFICATIONS:

Architectural Drafting and Design Technical Degree
Phoenix Institute of Technology

Continuing education in Civil Engineering
Miami Dade Community College

1985 - 2011 (Career)

2005 - 2011 (LPA)

PROFESSIONAL EXPERIENCE:

Senior Transportation Designer
THE LPA GROUP INCORPORATED

Mr. Gaiotti is a Senior Transportation Designer with over 26 years of experience in engineering and CADD production.

LPA project experience includes:

- I-95 Interdiction Station – Nassau County, Florida – FDOT District Two – Design and detailing of Interdiction Station, including pond, drainage, Roadway Auxiliary Ramps, lighting, and signing and pavement markings.
- SR 128 Milling and Resurfacing Project, Duval County Florida – Milling and Resurfacing of existing five-lane urban section, which includes an analysis of existing conditions for ADA compliance. Design and Detailing of proposed plans.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Senior Designer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 over Lost Creek Bridge, Wakulla County, Florida – Widening and reconfiguration of existing bridge to include two lanes of traffic, bicycle lane, and sidewalk in each direction. Design and detailing of the 270-foot-long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36-inch drilled shafts.
- Bayou Chico Bridge Replacement, Escambia County, Florida – Design of the 200-foot, three-span dual bridges carrying SR 30 (Navy Boulevard) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
- Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, Florida, FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

Work experience prior to LPA:

- 2004 to 2005 – Marlin Engineering Inc. – Civil Site Design
 - City of Tallahassee Concurrency Package for Country Inn and Suites Site – Stormwater design using ICPR 3; site design and site plan approval package; environmental permitting; and project management.
 - Florida Keys Overseas Heritage Trail – Bike path design and layout; design variance package; and quantities.
 - N.W. 25th Street – Electronic delivery package for FDOT and electronic plans submittal to FDOT.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage Design**
- **Traffic Design and Plans**
- **Earthwork Quantities**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- 2000 to 2004 – Baskerville-Donovan Inc. – Civil Highway and Lighting Design
 - Lighting Design Projects for Alabama DOT – Horizontal base plans for roadway lighting including 120' high mast lighting design; vertical cross sections; lighting details and design criteria; utility coordination; maintenance of traffic design; CES quantity calculations; construction cost estimate; computation book; and plan review and QA/QC.
 - Production Design for FDOT Projects 2000-2004 – SR 79 and Thomas Drive – Horizontal base plans; vertical cross sections; utility coordination; communications design and plans; maintenance of traffic design; cross sections - earthwork quantities; CES quantity calculations; construction cost estimate; computation book; plan review and QA/QC; and structural plans layout and quantities; electronic delivery package for FDOT; and electronic plans submittal to FDOT.
 - Production Design for FDOT Projects 2000-2004 – Connor Boulevard and East Park Avenue, City of Tallahassee – Horizontal and vertical base plans; drainage structure plans; gravity wall plans; retaining wall plans; vertical alignment design; and cross sections – earthwork quantities.
- 1995 to 2000 – Vanasse Hangen Brustlin Inc. – CADD Design and Project Supervision
 - I-95/I-595 ITS projects: CMS Sign Project; Project Utilities Coordinator; Plans Production Coordinator; Survey Coordinator; and CADD Designer for ITS Layout.
 - McArthur Causeway Bridge – CADD Designer – Structural plans layout for retrofit: bridge railing and median barrier; and field inspection.
 - Traffic Design – Traffic signal design, Sunbeam Properties; signal intersection layout; CADD plan production; signing and pavement markings; utility coordination; signal quantity calculations; construction cost estimate; traffic data collection; turning movements counts; queue analysis counts; time delay studies; collision diagrams; condition diagrams; and alternatives and improvements.
- 1990 to 1995 – Florida Department of Transportation, District 6, Miami Florida – Internal Design
 - Engineer 1 – Design and detailing of SR 112 Toll Plaza Parking facility.
 - SR A1A Collins Avenue design and detailing
 - SR 5 (US-1) Design and detailing. Signing and pavement markings, lighting, signals, and roadway plans preparation.

QUALIFICATIONS:

M.S., Civil Engineering, 2003
North Carolina State University
Structures and Mechanics Concentration

B.S., Construction Engineering and Management, 2001
North Carolina State University

REGISTRATION:

Professional Engineer (FL #67269, NC)

CERTIFICATION:

NBIS Certified Bridge Inspector

PROFESSIONAL EXPERIENCE:

2001 - 2011 (Career)

2005 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

Mr. Sherman's ten years of structural design experience includes all aspects of bridge design, having worked on multiple projects in Florida and throughout the Carolinas. He has experience with conventional design, load rating, rehabilitation, design-build, and construction inspection, as well as building structures and roadway design. Typical duties include:

AREAS OF EXPERTISE:

- **Structural Design**
- **Roadway Design**

- Bayou Chico Bridge Replacement, Escambia County, Florida, FDOT District 3 – Design of 200' three-span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. Permitting included a Coast Guard Permit for the navigation channel.
- Kemp Channel Pedestrian Bridge, Monroe County, Florida – Performed a cursory inspection to identify deficiencies of concrete arch bridges that were once part of Flagler Railroad located in the lower Florida Keys. The total bridge length at Kemp Channel is 992' feet long consisting of 32 equal arch spans. Proposed rehabilitation work includes hand rail replacement, expansion joint repair, and the addition of bridge spans where arch sections are missing such that the bridge can be reopened for pedestrian use. These bridges are to be used in part of a planned multi-use trail extending from Key Largo to Key West.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures.
- SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida – The existing condition of an eight span sonovoid structure on this milling and resurfacing project is evaluated. Barrier rail retrofits and joint replacement deemed necessary. Load rating performed.
- Long Key Construction Administration, Monroe County, Florida – Provided construction administration services during the construction of cantilevered fishing platforms off of several historic Flagler Railroad concrete arch bridges. Duties include pay request approval, construction inspection, and shop drawing review.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- PBC DOA Expansion Joint Rehabilitation, West Palm, Florida – Provided construction inspection services during the replacement of expansion joints on the bridge approach spans of the departure terminal at Palm Beach International Airport.
- Kentucky Utilities, Ghent, Kentucky – Served as a structural engineer for the Fluor Power Group on a temporary assignment. Task was to evaluate existing structural conditions in the renovation of a 30-year old coal power plant for the installation of a SCR system to reduce NO_x emissions.
- MLK (U-3412), Union County, North Carolina – Served as a designer during the proposal stage on this winning design-build effort. Three prestressed concrete beam bridges and two culverts are part of this project.
- US 601 (R-2616), Union County, North Carolina – Served as a designer for dual single-span steel bridges each 145' in length., two precast arch culverts and two precast box culverts on this design-build project.
- Bridge on CSX Railway over NC-55 (U-3308), Durham County, North Carolina – Served as a designer of a four-span steel railway bridge.
- Rea Road over Rea Branch, Mecklenburg County, North Carolina – Serving as a designer for a two-span prestressed concrete girder bridge 130' in total length.
- I-85 Widening (I-2511 CB) Rowan County, North Carolina – Assisted in the roadway design during the construction phase of this design-build project.
- Bridge Group 46 – Assisted in the roadway design of small bridge relocation projects in multiple locations in North Carolina.

Project experience prior to LPA includes:

- US 74 over Monroe – Ansonville Road, (R-2559C) Union County, North Carolina – Served as a designer for dual single-span steel bridges each 200' in length.
- Northlake Boulevard over I-485, (R-2248D) Mecklenburg County, North Carolina – Served as a designer for a two-span steel bridge 270' in total length.
- US 70 Bypass (R-2552AA and R-2552C) Wake-Johnson County, North Carolina – Assisted in designing four bridge structures. R-2552AA consisted of dual six-span bridges using 63" AASHTO modified bulb tee girders each 600' in total length. R-2552C consisted of dual six-span bridges using AASHTO type IV girders each 475' in total length.
- NCDOT Bridge Maintenance Unit Contract – Served as a designer for 15-20 cored slab bridges in numerous locations around the State of North Carolina.
- SC 38 / US 501, Dillon and Marion Counties, South Carolina – Served as a designer on a two-span fly over bridge.

COMPUTER SKILLS:

Matlab, SAP 2000, STAAD, RISA 3-D, RC Pier, Conspan LA, Consys, LPile, Merlin Dash, Simon, MicroStation, Geopak, MathCad, Solid Edge

QUALIFICATIONS:

B.S., Civil Engineering, 2001
Florida State University

REGISTRATION:

Professional Engineer (FL #65026)

CERTIFICATION:

FDOT Long Range Estimating
FDOT Specifications Package Preparation

PROFESSIONAL EXPERIENCE:

1999 - 2011 (Career)
2010 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

Mr. Cain's nine years of structural design experience includes all aspects of bridge and roadway structures design including design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. His experience with commercially available software that is commonly used for design includes Microstation/Geopak, FDOT Structures Software, FB-Multiplier (B.S.I.), Mathcad, Pilebuck, LEAP Conspan, RC-Pier and L-Pile. He has load rated over 40 bridges and has performed over 100 quality control reviews of load ratings during his career. He has worked on projects in Florida, Alabama, South Carolina and Missouri. He has prepared load ratings using both conventional and innovative techniques using both Load and Resistance Factor Rating (LRFR) and Load Factor Rating (LFR) methodologies. His experience with commercially available software that is commonly used for load rating includes Virtis, BARS, SALOD, and Conspan.

Representative projects:

- MoDOT Safe & Sound Improvement Program, Statewide, Missouri, MoDOT – Plans preparation for over 30 structures on this landmark design build project in the State of Missouri. The Safe and Sound bridge replacement program consisted of a total of 554 bridges all part of one design build contract. Typical duties include superstructure and substructure design, load rating and discipline coordination. Bridge superstructures consist predominantly of prestressed voided slab sections and box beams.
- Western Wake Freeway, Wake County, North Carolina, North Carolina Turnpike Authority – Responsible for quality control of the design for two of the four bridges on this Design-Build project. Duties include QC for superstructure and substructure design. Bridge superstructures consist of cast in place concrete deck placed on prestressed concrete girders. Bridge substructure foundations consist of drilled shafts, steel H piles and spread footings.

Work experience prior to joining LPA:

- E.C. Driver & Associates – Tallahassee, Florida – Structures Engineer – August 2001 - August 2006 (Engineer Intern) – August 2006 - October 2009 (Professional Engineer)
 - Responsibilities included design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. Responsibilities also included ASR, LFR, and LRFR load ratings of bridges, and project cost estimating including use of the FDOT LRE Program. Post design responsibilities included review of shop drawings, specialty engineer calculations, and response to various RFI requests.

AREAS OF EXPERTISE:

- **Bridge Design**
- **Load Rating**
- **Bridge Structural Detailing**
- **Foundation Design**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Florida Department of Transportation – Central Office - Estimates Office – March 1999 - August 2001
 - Responsibilities included maintaining the Long Range Estimating (LRE) program and LRE student training database. Maintained and edited the Basis of Estimates Handbook. Compiled bridge pay item data for bridge cost estimating that is used in the LRE program.

Project experience prior to joining LPA:

- J.T. Butler Interchange, Duval County, Florida, FDOT District Two. Curved Steel Box Girder Bridges. Detailed plans for internal bracing of curved steel box girders. Assisted in design for temporary bracing and pot bearings. Assisted in design of overhead span and cantilever sign structures. Post design involved review of shop drawings for sign structures and internal bracing of box girders. The project consisted of 6 bridges with dual curved trapezoidal steel box girders. The bridges were 2, 3 and 4 span continuous units. Span lengths ranged from 139'-0" to 282'-0".
- S.R. 212 (U.S. 90/Beach Boulevard) over ICWW, Duval County, Florida, FDOT District Two & JTA. Prestressed Beam Bridges. Assisted in design of superstructure, substructure, MSE walls and temporary critical anchored sheetpile walls. Designed standard/special design mast arms and temporary strain pole systems. Prepared plan sheets, finish grade elevations, calculated bridge quantities and performed LFD load rating on superstructure. The scope of the project was to replace the existing bascule bridges with high level bridges. The replacement bridges are 2100'-0" and 2298'-0" with 15 spans 17 spans respectively. Both bridges include 138'-0" and 148'-0" simple spans utilizing 78" Florida Bulb-T Beams. Post design services included reviews for structural RFI's and shop drawings.
- I-75 Southbound Realignment Over Salt Creek and Bridge Widening of I-75 Northbound Over Salt Creek and I-75 Over Fox Creek, Sarasota County, Florida, FDOT District One. Engineer of Record for new bridge and bridge widening over Salt Creek. Designed superstructure components and assisted in substructure design for Fox Creek bridge widenings. Detailed bridge components and prepared quantities. The new bridge on this project is a 4-span AASHTO girder bridge with Type III and Type IV girders. The widenings are single phase construction without deck replacements on the existing bridges.
- S.R. 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Engineer of Record for structures contract plans and structural design. Designed and detailed ecopassage that included approximately two miles of vinyl sheetpile wall with colored concrete bulkhead, stage construction box culverts fitted with DBI tops, concrete retaining endwalls and modified gravity wall.

COMPUTER SKILLS:

Microstation/Geopak
FDOT Structures Software
FB-Multiplier (B.S.I.)
LEAP Bridge V8i
L-Pile
SAP 2000
AASHTO Virtis
AASHTO BARS
Pilebuck Sheetpile Wall 911
Mathcad

QUALIFICATIONS:

B.S., Civil Engineering, 2005
Florida State University

REGISTRATION:

Professional Engineer (FL #70728)

PROFESSIONAL EXPERIENCE:

2004 - 2011 (Career)
August 2009 - 2011 (LPA)

Bridge Design Engineer
THE LPA GROUP INCORPORATED

Mr. Westphal's structural design experience includes all aspects of bridge design. He has worked on projects in Florida, Missouri and North Carolina. He has performed designs using AASHTO Standard Specifications for Highway Bridges as well as AASHTO LRFD Bridge Design Specifications. He has prepared load ratings using Load and Resistance Factor Rating (LRFR) methodology.

AREAS OF EXPERTISE:

- *Bridge Design*
- *Roadway Design*
- *Stormwater Design*

Project experience with THE LPA GROUP includes:

- CR 245 over Olustee Creek Bridge load rating for the Florida Department of Transportation, District 2 in Columbia County. The proposed bridge consists of an overall 350-foot, seven-span AASHTO Type-II girder bridge.
- Western Wake Freeway, Bridge Number 15 over US 64 bridge design and load rating. The proposed bridge consists of a 209-foot long, two-span AASHTO type-IV girder bridge.
- Western Wake Freeway, Bridge Number 16 over Western Wake Freeway bridge design and load rating. The proposed bridge consists of a 215-foot long, two-span AASHTO type-IV girder bridge.
- Corinth Road over Otter Creek box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a four-barrel, 40 foot long culvert.
- Bonifay-ChIPLEY Road over Camp Branch box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a three-barrel, 27 foot long culvert.
- Missouri Department of Transportation's Safe and Sound Bridge Improvement Project. Assisted in the creation of design standards to be used in the redesign and replacement of a majority of 554 structurally deficient bridges throughout the state. In addition, created plans for various phases of bridge design and construction. Responsible for designing non-standard structures, including spread footing foundations and reinforced concrete flat slab superstructures.
- Administer shop drawing reviews as necessary and furnish designs of miscellaneous structures such as retaining walls, pedestrian boardwalks and mast arms.

Previous experience includes:

- October 2006 to July 2009 – Florida Department of Transportation, Tallahassee, Florida – Engineering Intern

**PROFESSIONAL
EXPERIENCE**
(Continued):

- FDOT LRFD Prestressed Beam Program v.3.1 with Load Rating portion. The program was written in accordance with the FDOT Structures Design Guidelines and the Manual for Condition Evaluation Load and Resistance Factor Rating (LRFR) of Highway Bridges.
- Served as a Structural Designer, responsible for maintaining engineering programs on the FDOT Structures Design Office website.
- Ensured software programs are in compliance with changes/updates to the latest edition of the AASHTO LRFD Bridge Design Specifications or other relevant design specifications.
- Communicated with FDOT consultants and FDOT District personnel regarding technical feedback and/or difficulties with software.
- Assisted in the design of bridges and retaining walls.
- Aided in the calculation of quantities for projects.
- Reviewed Shop Drawings.
- Assisted in reviewing major proposed bridges in the State of Florida.
- May 2005 to October 2006 – Baskerville-Donovan, Inc., Tallahassee, Florida – Engineering Intern
 - Served as a Drainage Designer, modeling and designing stormwater pipe networks as well as creating technical reports such as stormwater needs assessments for small communities.
 - Served as a Roadway Designer, assisting with roadway design and computation books.
 - Aided in the creation of construction plans extensively through drafting, for both roadway and drainage projects.
 - Created several project cost estimates for both roadway and drainage projects.
- June 2004 to August 2004 – City of Tallahassee, Tallahassee, Florida – Engineering Intern
 - Assessed the condition of city roads through extensive field work, as part of a city-wide effort aimed at infrastructure improvements.

COMPUTER SKILLS:

Software:
MathCAD, FDOT Structural Engineering Programs (including LRFD Prestressed Beam Program), RISA, LEAP Bridge, RC-Pier, L-Pile, SAP 2000, Microstation, AutoCAD and Microsoft Office.

QUALIFICATIONS:

Course Work, 1967 - 1968
Texas A&M University, College Station, Texas
Course Work, 1968 - 1969
Charleston Southern University, Charleston, SC
Graduated 1974
South Carolina Law Enforcement Academy, SC

U.S. Air Force, Aerospace Defense Command, E-5, 1969 - 1973
Flight Simulator Technician, Vietnam, Honorable Discharge
Chanute Technical Training Center, Rantoul, IL

CERTIFICATIONS:

Certificate in Electronics, Hydraulics, Pneumatics and Aerodynamics
Pilot's License, Single and Multi-Engine Land
Certified Open Water Diver

**PROFESSIONAL
EXPERIENCE:**

1973 - 2011 (Career)
2009 - 2011 (LPA)

**Construction Manager
THE LPA GROUP INCORPORATED**

Mr. Burton Jr. is a detail-oriented, analytical and highly motivated professional offering 25 years success in Civil Engineering, Vertical Construction, Transportation, FAA, Federal and State-funded and environmentally sensitive projects. Consistently delivers complex, large-scale projects on time and within budget. He is an accomplished turnaround specialist with exceptional project turnaround skills and recovery strategies. Replaces existing construction managers, assumes decision-making reins of troubled projects and guides them through setbacks and into success. He is an adaptable manager who is well-versed in contract negotiations, project estimating, resolving impending design problems, and building and code regulations. He is a highly skilled communicator with the proven ability to build consensus and liaise with parties involved to ensure all the elements of a project coordinate and dovetail with organizational objectives. Mr. Burton is a dependable team player able to interact with and work well with laborers, tradesmen, architects, engineers and owners.

Project experience since joining LPA includes:

- Apron A Construction, Palm Beach International Airport – Construction Manager for a new 176,000 square foot concrete apron and realignment of existing access roads, including demolition items, grading, drainage, paving, chain link fence, automated gates, associated electrical work and stormwater work.

Project experience prior to joining LPA includes:

- General Access Road Rehabilitation, Tallahassee Regional Airport – Resident Personal Representative and inspector for the demolition and reconstruction of the General Aviation Access Road at Tallahassee Regional Airport. Project included extensive milling and P-401 paving operations, grading, sodding, grassing, automated gates, and redesign and construction of 800 feet of stormwater. Project responsibility also included field redesign of Capital Circle/Access Road tie-in and Fuel Farm Parking Lot.

AREAS OF EXPERTISE:

- **Construction Planning/Scheduling**
- **Estimating and Job Cost**
- **Budget Management and Cost Control**
- **Contract Negotiation**

PROFESSIONAL EXPERIENCE
(Continued):

- Terminal Apron Stormwater, Tallahassee Regional Airport – Resident Personal Representative and inspector for the construction of stormwater ponds surrounding the main terminal apron. Project included excavation, grading, geogrid, sodding, grassing, stormwater structures.
- Runway Improvements, San Salvador International Airport, Bahamas – Consultant and inspector for P-401 paving operations and extension of runway. Project involved erection of onsite asphalt plant and barging materials and supplies from the U.S. Project included stormwater, excavation, subgrade, base rock, paving, grading, electrical lighting, and painted markings and striping.

Work history prior to joining LPA includes:

- Florida Department of Environmental Protection, Tallahassee, FL – September 2005 to January 2009 – Construction Project Consultant (CPC) and Contract Manager, Office of Coastal and Aquatic Managed Areas (CAMA). Some responsibilities included:
 - Reporting directly to the Director of CAMA, the Budget Director and the Deputy Secretary of the Florida Department of Environmental Protection.
 - Accountable for the execution and delivery of all civil construction activities for CAMA; Coastal & Aquatic Managed Areas comprising 4.8 million acres
 - Initiating constant communication with three Regional Managers and 30 Aquatic Preserve Managers to ensure core expectations of the project were met, including the timely conclusion of the projects and completion of all applicable supporting documentations like schedules, cost issues and tracking.

PROFESSIONAL MEMBERSHIPS:

Capital City Chapter of United States Green Building Council
Speaker of the House's Citizen's Committee, 2002 - 2003
President's Economic Advisory Committee, 2002

COMPUTER SKILLS:

MS Office Suite
MS Project
CAD
ArcView
AIA
GIS
FLAIR

QUALIFICATIONS:

Indiana Highway Technician Course
Purdue University Extension

Continuing Education Courses
Nashville State Technical Institute

Level II NICET
Construction Materials Technician, Concrete

1959 - 2011 (Career)

1991 - 2011 (LPA)

Resident Project Inspector
THE LPA GROUP INCORPORATED

PROFESSIONAL EXPERIENCE:

Mr. Banta has a wide variety of experience related to the development, design, and construction of utility systems and drainage projects. His experience includes surveying, construction management, drafting, mapping, the conduct of inflow and infiltration analyses, the design and maintenance of water and sewer systems, roadway construction, water system design, and pipeline design.

Typical projects while with THE LPA GROUP include the following:

- Resident Project Inspector for the FDOT Capital Circle S.I.S. Connectors Project SR 263. Project is located at the entrance of the Tallahassee Regional Airport in Tallahassee, Florida. This project included grading, drainage, paving and marking. MOT certification was required and obtained prior to construction.
- Inspector for Runway/Taxiway rejuvenation and Crack Sealing Project at the Northwest Alabama Regional Airport located in Muscle Shoals, Alabama. Project also included rebuilding all of the runway lighting system, including the airport Beacon and partial electrical vault equipment replacement. Project also included restriping of the runway/taxiway and its rejuvenated areas.
- Inspector for the New Corporate Administration Building, Space Coast Regional Airport at Titusville, Florida. In addition to the new building, this project includes drainage, grading, paving and landscaping along with utility relocation and additions.
- Inspector for the Remote Overnight Apron at the North West Florida Regional Airport which included asphalt and concrete placement as well as lighting and drainage.
- Inspector for Phases 3, 4 and 5 Perimeter Service Road Project at Daytona Beach Regional Airport in Daytona Beach, Florida. Project includes paving, grading, drainage, fencing, and FAA cable relocation. This project required a lot of owner and tenant involvement.
- Resident Project Representative for the Central Apron Project at Tallahassee Regional Airport in Tallahassee, Florida. Project included paving, grading and drainage as well as aircraft tie-down area with adjoining mast lighting.
- Co-Project Representative for the milling and repaving of the main parallel taxiways and connectors at the Tallahassee Regional Airport in Tallahassee, Florida. Project included milling for the correcting cross drainage and new asphalt surface including all striping.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage**
- **Utilities**
- **Grading**
- **Sewer Systems**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Resident Project Representative for the installation of two (2) new Passenger Loading Bridges and renovation of six (6) Existing Tunnel structural upgrades as well as electrical, air conditioners, and redecorating needs. This upgrades all of the loading bridges at the Tallahassee Regional Airport in Tallahassee, Florida.
- Resident Project Representative for the new FedEx Complex at the Tallahassee Regional Airport in Tallahassee, Florida. This project includes a new apron with new access taxiways which require Retention Ponds drainage, paving, lighting, parking areas, security fencing and gating. The new facility encompasses the existing Air Cargo complex and a new Access Roadway from a major highway to both facilities which will be lighted and provides ingress and egress for all size vehicles.
- Resident Project Representative for a new eight (8) mile perimeter road with a new adjoining ten (10') foot security fence at the Tallahassee Regional Airport in Tallahassee Florida. Project included extensive coordination with owner and airport operations for safety and security during Construction.
- Resident Project Representative for the addition of 25' paved shoulders to either side of the north- south runway at Tallahassee Regional Airport.
- Resident Project Representative for the construction of the General Aviation Taxiway "R" and "B" at the Tallahassee Regional Airport.
- Resident Project Representative for a total airfield lighting renovation at North West Alabama Municipal Airport in Muscle Shoals, Alabama.
- Resident Project Representative for the T-hangar Phase II project at the Sarasota-Bradenton International Airport, Florida. Project included paving, grading, and drainage plus the erection of three (3) new hangar units.
- Resident Project Representative for the new Taxiway "D" project at Sarasota-Bradenton International Airport at Sarasota, Florida. Project includes construction of a completely new taxiway plus an asphalt overlay of an existing taxiway.
- Resident Project Representative for part of Runway 3 extension at Greenville-Spartanburg International Airport, South Carolina.
- Resident Project Representative for clearing project at Orangeburg Municipal Airport, South Carolina.
- Resident Project Representative for Phase II on runway extension and customs facilities, including apron and building, for Greenville-Spartanburg International Airport, South Carolina, Stages I and II. Project includes paving, grading, and drainage as well as access road to BMW Facility.
- Resident Project Representative for Phase II of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as extending and upgrading the existing primary roadway and taxiway.
- Resident Project Representative for Phase I of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as a new apron with upgraded fuel facility.

QUALIFICATIONS:

B.S., Civil Engineering, 1979
University of Florida

REGISTRATION:

Professional Engineer (FL # 34810)

TRAINING:

Project Manager Course/Florida Department of Transportation
Quality Assurance/Quality Control Training/Florida Department of Transportation
Project Engineer Training/Florida Department of Transportation
Traffic Control Plan Certification/Florida Department of Transportation
Hearing Officer – Hillsborough County – Residential Traffic Control
Expert Witness – Court of Appeals
Institute of Transportation Engineers, Engineer of the Year, 1996
Institute of Transportation Engineers, Fellow (International Director 1993 to 1995)
Institute of Transportation Engineers, Past Florida President (1992-1993)
Illuminating Engineering Society of North America

PROFESSIONAL EXPERIENCE:

1979 - 2011 (Career)
2010 - 2011 (LPA)

Principal – Director of Local Government Services
THE LPA GROUP INCORPORATED

Work history prior to joining THE LPA GROUP includes:

Director of Local Government Services, Florida – Mr. Dabkowski, P.E., was responsible for assuring complete client satisfaction in all aspects of Traffic, Parks, Trails, Planning and Civil Engineering. Satisfaction means a very clear scope of service by all parties, assigned personnel that are experts in the field of scope, a realistic schedule that will meet the clients' needs, reasonable negotiated fees that follow the industry standards, a quality control process that is tailored to the scope, a finished product that the client will be proud of and finally, a positive reply from their clients that will be proud to share. The following are examples of major trail projects that Mr. Dabkowski directed:

AREAS OF EXPERTISE:

- **Project Management**
- **Construction Administration**
- **Roadway Design**
- **Utility Design**
- **Right-of-Way Surveying**

• Gainesville, Florida – Under the direction of Mr. Dabkowski, the team provided survey and engineering services for the 15 mile long design project. The project consisted of a 12 foot wide paved recreation trail connecting downtown Gainesville to the Hawthorne rail trail. This trail also included equestrian amenities and a trail head on the southern end. A beautiful steel arch bridge was designed and manufactured to fit the limits of a water crossing and the theme of the area. Included in this project was the design and environmental permitting. Complete construction plans and bid package was provided.

• Dunedin, Florida - This trail project was the first lighted section of the 62 mile long Pinellas County " Fred Marquis" trail. Mr. Dabkowski was the project manager for the first 16 mile segment of this award winning trail. Mr. Dabkowski also assisted the City in permitting and seeking approval to light a 1/2 mile segment with pedestrian scale lighting. This allowed the surrounding visitors of the hotels to walk the trail at night offering access to local dining and shopping within the CRA district of the City.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Gainesville, Florida – Mr. Dabkowski was the project manager for the Depot Avenue trail in the heart of the downtown. This trail connected the highly successful Hawthorne rail trail to the downtown area via the Depot Avenue trail. Several state road crossings were required which allowed great cooperation with the state. Environmental concerns from the previous rail usage were also contained and permitted with success. A roundabout was also introduced into the design and several high volume pedestrian crossings were designed with safe access. The team provided survey and engineering services for this 6 mile long design project. The project consisted of a 10 foot wide urban paved trail. Special crosswalk markings were approved by the state.
- Dunedin, Florida – The City visioned a linear park along the intracoastal waterway from the City limits to Downtown. This corridor known as Edgewater Drive was to provide bench seating, viewing areas, safe crossing of the street and expanded sidewalk designs for the multipurpose users including transit stops.

QUALIFICATIONS:

B.S., Civil Engineering, 1980
University of Toronto

REGISTRATION:

Professional Engineer (FL #58147, MI, and Ontario)

PROFESSIONAL EXPERIENCE:

1980 - 2011 (Career)
2010 - 2011 (LPA)

Senior Transportation Engineer
THE LPA GROUP INCORPORATED

Mr. Rao has 30 years of experience providing planning, design and project management for transportation engineering projects focusing on livable communities projects. The focus of this expertise is in designing facilities for multi-modal and non-motorized transportation users. I have particularly strong experience with designing traffic calming projects, bicycle/ pedestrian crossings and analyses, safe routes to school projects and programs, and traffic signal analysis.

As a former employee of government organizations – City of St. Petersburg, FL, five years; City of Toronto, Ontario, six years; and the Ministry of Transportation, Ontario, ten years – coupled with over eight years of private sector work for public clients – I understand the unique demands of designing projects in a public forum. During the last 20 years, I have personally attended and/or chaired over 800 public meetings, to reach consensus within these communities for implementation of projects.

Project experience prior to joining LPA includes:

☐ 2003 to 2010 – Transportation for Livable Communities Engineer, Volkert, Inc., Tampa, FL

Traffic Calming Projects

- Neighborhood Traffic Calming (NTC) Program, Hillsborough County, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program. Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.
- Westshore Business District Area Traffic Calming Project, Tampa, FL (Hillsborough County) – Provision of traffic calming design services for Armenia and Howard Avenues arterial streets flanked by small business enterprises. These services consisted of planning and designing on-street parking configurations with a view to increasing parking inventory, reducing operating speeds, and beautifying these corridors. Services included research of other traffic calming programs for effectiveness, investigation and application of parking ordinances, evaluation and prioritizing of projects, development of construction standards for traffic calming features, assistance at two public information meetings (residential and business) and presentation to the Board of County Commissioners.
- Neighborhood Traffic Calming (NTC) Program Development, City of Dunedin, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program.

AREAS OF EXPERTISE:

- *Transportation Engineering*
- *Traffic Design / Studies*
- *Conceptual Design Services*

**PROFESSIONAL
EXPERIENCE
(Continued):**

Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.

Bicycle and Pedestrian Studies

- Bicycle/Pedestrian Masterplan, City of Dunedin, FL – Conducted a comprehensive study outlining the on and off-road non-motorized opportunities for multi-modal use on a city-wide basis. Assisted in the development of the visions/goals, community responses, and pedestrian level of service computations. Assisted in the layout of the various cross-sectional strategies to provide bicycle lanes on existing pavements, leading to the development of the Masterplan Bicycle Conditions matrix as well as resident surveys/questionnaires.
- Fletcher Avenue Pedestrian Safety Study and Conceptual Design, Hillsborough County, FL – Conducted a comprehensive pedestrian and bicyclist safety study to analyze crash types patterns and identify opportunities for crash mitigation. Provided conceptual design services to foster safer crossings for pedestrians and more accessibility for bicyclists.
- SR 580 Pedestrian Safety Study and Conceptual Design, City of Dunedin, FL – Conducted a comprehensive pedestrian and bicyclist safety study to reduce crashes. Provided conceptual design services to improve accessibility for bicyclists and physically challenged persons. Working with the City and FDOT, conceptual countermeasures were developed for four cross-sectional roadway treatments ranging from a six-lane divided section to a two-lane median landscaped section adjacent to the Pinellas Trail.

Corridor and Neighborhood Transportation Studies

- City-Wide Transportation Study and Transportation Concurrency Management System Development, City of Newberry, FL – The project was to analyze current traffic while considering the City's Development Plan, ordinances, land use, and roadway infrastructure. Services included a field review of the corridor regarding lane capacity issues, analyzing traffic data and Levels of Service, and recommending a grid system future street system that encourages sustainable growth, connectivity, and multi-modal applications.
- Blind Pass Road Multi-Modal Corridor Plan, City of St. Pete Beach, FL – The project involved developing conceptual plans for better pedestrian access and new on-street parking for merchants in the central business district. It also included close coordination with FDOT for use of state rights-of-way in Downtown. A comprehensive area-wide study was conducted to determine the impacts of the redesign on the main high-volume traffic intersections.

**PROFESSIONAL
AFFILIATIONS:**

Hillsborough County MPO Livable Roadways Committee
Northeast Florida League of Cities
Association of Pedestrian and Bicyclist Professionals
Institute of Transportation Engineers (ITE)
Chair, Florida Urban Traffic Engineer's Council, 2001
Co-Founder, Tampa Bay Area Traffic Calming Group, 1997

QUALIFICATIONS:

B.S., Civil Engineering, 1982
University of Florida, Gainesville

REGISTRATION:

Professional Engineer (FL #38772, AL)

PROFESSIONAL EXPERIENCE:

1982 - 2011 (Career)
2002 - 2011 (LPA)

Principal
THE LPA GROUP INCORPORATED

Mr. Oshesky's 29 years experience is comprised of Program Management for Transportation Infrastructure, Greenway and Floodway Improvement Programs, Interstate Design, Interchange Design, Highway Design, Recreational and Trail Design, PD&E Studies, Feasibility Studies and Value Engineering. Mr. Oshesky actively participates in organizations and committees which provide continuing education, develop industry guidelines and identify potential funding for public projects.

Mr. Oshesky's entire career has been in Florida. During his career he served of over nine years of experience with the Florida Department of Transportation and over four years with the Florida Department of Environmental Protection. As Principal for The LPA Group's North Florida Region Mr. Oshesky has managed resources, overseen quality assurance and provided leadership for the following projects:

LPA project experience includes:

- Program Manager on General Engineering Consultant contract for BluePrint 2000 Intergovernmental Agency – Served three years as Program Manager for \$800 Million sales tax program for a City of Tallahassee/Leon County joint agency which includes corridor improvement projects on the state highway system and stormwater master planning and retrofit projects.
- Engineer of Record for Leon County Continuing Services contract.
- Project Principal on I-95 Agricultural Interdiction Station in Nassau County, for FDOT, District Two.
- Project Principal on SR 128 resurfacing in Duval County, for FDOT, District Two.
- Project Principal on Olustee Creek Bridge Replacement in St. Johns County, for FDOT, District Two.
- Project Manager on SR 60 Courtney Campbell Causeway Multi-Use Trail Feasibility Study, FDOT District Seven – Evaluate the feasible alternatives to provide recreational access and use along an eight mile corridor across Tampa Bay in Hillsborough and Pinellas Counties.
- Project Principal SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Milling and resurfacing of one-mile segment of four-lane urban roadway.
- Project Principal on SR 10 (US 90) Mahan Drive widening from Dempsey Mayo to I-10 in Leon County, for FDOT, District Three.
- Engineer of Record on I-10 Agricultural Interdiction Station for FDOT District Three – Design-build contract which included interstate ramps and facilities for the Florida Department of Agriculture and Consumer Services.

AREAS OF EXPERTISE:

- **Program Management**
- **Value Engineering**
- **Recreational Trail Design**
- **Roadway Design**
- **Construction and Permit Drawings**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Engineer of Record on Monticello By-Pass Feasibility Study in Jefferson County for FDOT, District Three – Evaluated feasible alternatives for US 19 through downtown Monticello.
- Engineer of Record for Wakulla County Continuing Services contract.
- Project Principal SR 61 (US 319) Crawfordville Highway widening from US 98 to Lost Creek Bridge in Wakulla County, for FDOT, District Three.
- Project Principal on SR 20 (US 27) resurfacing in Jefferson County, for FDOT, District Three.
- Project Principal for Florida Department of Environmental Protection, Florida Overseas Heritage Trail.
- Principal for Florida Department of Environmental Protection, Camp Helen State Park Improvements and Rehabilitation in Bay County.
- Project Principal SR 30 (US 98) Bayou Chico Bridge Replacement in Escambia County, for FDOT, District Three.
- Project Principal on Turnbull Creek Bridge and resurfacing in Volusia County, for FDOT, District Five.
- Project Principal on SR 500 (US 192) Indian River Bridge Replacement Design-Build Criteria Package, Brevard County, for FDOT, District Five.
- Principal for Florida Department of Environmental Protection, Statewide Continuing Services Contract.
- Principal for Wakulla County, Ochlocknee Bay Multi-Use Trail Master Plan and Design.

Project experience prior to LPA includes:

- Florida's Turnpike, Osceola Parkway (Dart Boulevard) Interchange, Osceola County, Florida – Highway designer responsible for combined (one contract) PD&E, planning, highway design and plans preparation for the construction on a diamond interchange on Florida's Turnpike at the Osceola Parkway. The project included PD&E, highway design, drainage design, permitting, lighting, toll facilities design, and traffic control.
- FDOT, SR 84 (Alligator Alley) Conversion to I-75, Broward and Collier Counties, Florida – Lead highway designer for two sections of the ten section total project of the conversion of SR-84 to I-75 in Collier and Broward Counties. Project included the conversion of a two-lane highway through the Florida Everglades to a limited access interstate facility. Project included PD&E, highway design, maintenance of traffic, drainage, and permitting.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Civil Engineers – Tallahassee Branch, Past Officer
Florida Institute of Consulting Engineers – Transportation Committee
Florida Engineering Society
American Society of Highway Engineers
American Public Works Association – Big Bend Chapter, Past President
Society of American Value Engineers
Florida Recreation and Park Association
Citizens Advisory Committee, Leon County, Tharpe Street Corridor Study

**SPECIALIZED
TRAINING:**

Value Engineering Team Member and Leader Training
Value Engineering Module I and Module II Training
FDOT Advance Maintenance of Traffic

QUALIFICATIONS:

M.S., Civil Engineering, 1993
University of Illinois

B.S., Civil Engineering, 1992
The Citadel

CERTIFICATIONS:

Specifications
TRNS*PORT
LRFBR Bridge Load Rating
Long Range Estimate
Errors & Omissions
American Segmental Bridge Institute Grouting Training Certificate

REGISTRATION:

Professional Engineer (FL #53948, NC)

PROFESSIONAL EXPERIENCE:

1993 - 2011 (Career)
2001 - 2011 (LPA)

Bridge Engineer
THE LPA GROUP INCORPORATED

Mr. Schwier has over 18 years of structural engineering experience including extensive work on the design of the new Leonard P. Zakim Bunker Hill Cable Stayed Bridge in Boston. He has experience in all aspects of bridge design, having designed both superstructure and substructure elements for precast segmental and conventional beam bridges. Mr. Schwier has also been involved in several bridge inspection projects, including fracture critical inspections.

AREAS OF EXPERTISE:

- **Project Coordination**
- **Program Management**
- **Bridge Design**
- **Precast Segmental Bridges**
- **Conventional Beam Bridges**
- **Cable-Stay Bridges**

- Florida Keys Overseas Heritage Trail (FKOHT) Bridge Restoration; Monroe County, Florida. These projects consisted of the condition inspection, restoration design and construction administration of seven of the historic Flagler railroad concrete arch bridges. The bridges were in various stages of deterioration after years of neglect or limited maintenance. The plans included concrete spall repair, concrete crack repair, joint replacement, milling and resurfacing and barrier repairs. Mr. Schwier served as the Lead Engineer and Manager for these projects at Park Channel and Big Coppitt Keys.
- Turnbull Creek Bridge Replacement; Volusia County, Florida. Replacement of the existing U.S. 1 Bridge. Mr. Schwier served as the Senior Engineer for the design and detailing of the 180' long bridge from the Bridge Development Report stage through final design. The structure is a 43' wide 18" deep cast-in-place flat slab on pile bents.
- Rookery Bay Pedestrian Bridge, Naples Florida. Services included design and construction administration for a boardwalk style pedestrian bridge using alternative building materials at the Rookery Bay National Marine Estuarine Research Reserve for the Florida Department of Environmental Protection. During construction no impacts, temporary or permanent, can be made to the wetlands. Mr. Schwier served as the project manager and lead structural engineer for this project.
- Group 9-04 Bridge Replacements, Holmes County, Florida, FDOT District Three – Mr. Schwier served as the Project Manager and the EOR for this project. Bridge culverts were used to replace two structurally deficient timber bridges. Coordination with

**PROFESSIONAL
EXPERIENCE**
(Continued):

- hydrology and roadway were essential in setting the proper culvert dimensions to suit each culvert site. An open thrie beam barrier was placed on the top of the culverts in lieu of a conventional Type F concrete barrier to accommodate overtopping conditions.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures. Mr. Schwier served as the structures lead on this project.
 - Bahia Honda Bridge, Monroe County, Florida – Provided onsite engineering services during an emergency repair at Bahia Honda Bridge to many structural elements which posed a threat to mariners. Many hanging structural steel members and hanging sections of concrete deck were removed during the emergency repairs.
 - SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida, FDOT District Two – Mr. Schwier served as the EOR for the structures work on this RRR project. The existing condition of an eight-span sonovoid structure and its approach spans are evaluated on this milling and resurfacing project. A barrier rail retrofit was required as well as expansion joint replacements. The bridge approach is a pile supported roadway section. The fill beneath the existing pile supported approach spans has settled and resultant drown drag forces have separated the piles from the slab in some locations. LPA used borescopes to inspect the structure and designed repairs to replace piles that had settled and detailed for the structure. The repairs included installing replacement piles utilizing cantilevered pile caps and installing sheet pile along the curb line to reestablish the side slopes and sidewalks.
 - Olustee Creek Bridge Replacement; Union County, Florida. Replacement of the existing steel girder bridge. Mr. Schwier served as the Project Manager for the design and detailing of the 350' long bridge from the Bridge Development Report stage through final design. The structure consists of Type II AASHTO girders on pile bents.
 - SR 30 (US 98) Bayou Chico Bridge Replacement; Escambia County for FDOT District Three. Mr. Schwier served as Project Manager for the design of the 200' three span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
 - SR 61 over Lost Creek Bridge; Wakulla County for FDOT District Three. Widening and reconfiguration of existing bridge to include 2-lanes of traffic, bicycle lane, and sidewalk in each direction. Mr. Schwier is the Senior Engineer on this project responsible for the design and detailing of the 270' long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36" drilled shafts.
 - SR 79 over Reedy Branch; Washington County for FDOT District Three. This project consists of the phased construction of twin 400' bridges over Reedy Branch. The area being bridged consists of large muck pockets leading to long pile lengths. Steel pipe piles were designed to facilitate splices and installation of the pile bents. The superstructure is AASHTO Type III beams. Mr. Schwier is the Lead Engineer and the Project Manager for this project.

**PROFESSIONAL
EXPERIENCE:**

1970 - 2011 (Career)
2010 - Present (LPA)

Manager - Utilities Coordination
THE LPA GROUP INCORPORATED

Mr. Payne has more than 40 years of experience as a utility coordinator. During his 30 years of service with FOOT, he received the Rolfe Mickler Award for Diligence and Support of FDOT and made significant contributions to the organization. Mr. Payne served as a direct liaison coordinating contact between utility owners, counties and municipalities, governmental agencies, local utility coordinating groups and drainage districts. This included initiating contact with utility companies for scheduled road projects involving utility adjustment or relocation of existing facilities; reviewing and approving utility engineering proposals, plans, specifications, construction schedules and estimates; preparing necessary legal agreements governed by federal and state regulations and statutes; negotiating acquisition of utility easements as involved with various proposed construction projects; coordinating/advising/reviewing highway improvement planning, design criteria and plans as regarding utilities, with departmental design units and consultant engineering firms considering such things as economics, compliance with Federal Highway Administration Program Manual, Utility Accommodation Guide, and all other governing policies; arranging and conducting Pre-Design conferences between FDOT and all utility agencies to ensure that the utility agencies' proposed design and construction work will properly scheduled and coordinated with FDOT's proposed design and construction work; initiating and compiling utility cost study during preplanning stage for inclusion in project design study report; processing all right-of-way easement and property rights of utility agencies. He also coordinates preparation of, review and recommending approval of utility permits on construction projects; processes necessary documents for certification of projects for advertisement and award of contract.

Mr. Payne acted in the above advisory capacity at pre-construction meetings between FDOT, utility agencies and the highway contractor to minimize any delay in construction of the project; assisted resident and project engineers with utility problems during construction; coordinated documentation of utility relocation work with auditors for documentation of invoices for utility adjustments; coordinated interoffice programming of planning, design maintenance permits, easements, agreements, etc., with FDOT offices of Planning, Design, Maintenance, Construction and Right-of-Way, insofar as it affects utility organizations; prepared all utility invoices for documentation by construction forces and submits to Fiscal for payment; coordinated with Production Management in scheduling of utility activities.

Project experience prior to joining LPA includes:

- January 2009 to September 2010 – PBS&J – Senior Utility Coordinator – FDOT – District 2 – General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for 35+ DOT production/construction projects. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducted on-site meetings, ensured utility compliance with FOOT regulations, and inspected utility construction and relocation operations.
- April 2000 to December 2008 – Earth Tech/AE COM – Utility Coordination/CEI Department – Manager – FDOT – District 2, General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for more than 70 construction projects, as

AREAS OF EXPERTISE:

- *Utility Coordination*
- *Inspection*

PROFESSIONAL EXPERIENCE
(Continued):

well as supervised the inspection of the specific utility work schedules. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducts on-site meetings, ensures utility compliance with FOOT regulations, and inspected utility construction and relocation operations. Supervised seven CEI inspectors, one utility coordinator and one utility office assistant.

□ 1970 to 2000 – FDOT – Utility Coordinator

- FDOT – District 2, Fuller Warren Bridge, Duval County, Florida. Utility coordinator for the reconstruction of 1.6 miles of bridges and ramps.
- FDOT – District 2, Acosta Bridge, Duval County, Florida. Utility coordinator.
- FDOT – District 2, 1-75 Widening and Reconstruction, Marion County Line to Georgia State Line, Florida. Provided utility coordination with as many as 12 utility agencies in two counties along the corridor.
- FDOT – District 2, SR 15 (Riverside Avenue) Widening and Reconstruction, Edison Avenue to Acosta Bridge, Jacksonville, Florida. Provided utility coordination with as many as 7 utility agencies in Duval County.
- FDOT – District 2, SR 207 Widening and Reconstruction, US 17 to 1-95, Putnam/St. Johns County, Florida. Provided utility coordination with as many as 7 utility agencies in these counties.
- FDOT – District 2, SR 500 Widening and Reconstruction, US 19 to Marion County Line, Levy County, Florida. Provided utility coordination with as many as 10 utility agencies in Levy County.
- FDOT – District 2, SR 9A Design-Build, J. Turner Butler Boulevard to Beach Boulevard, Jacksonville, Florida. Provided utility coordination with as many as 5 utility agencies in Duval County.

TRAINING:

Earth Tech Health & Safety Training

- 01 - Safety Orientation 01/22/2008
- 02 - Hazard Communication (US) IWHMIS (Canada) 12/22/2005
- 03 - Defensive Driving Awareness Training 05/12/2008
- 04 - Defensive Driving 4-Hour Course 02/28/2007
- 13 - Field Safety 4-Hour 03/06/2007
- 14 - Office Ergonomics Training 04/24/2007
- Employee Substance Abuse Training 05/29/2008
- ETUSA Southeast District Safety Metrics 09/25/2007

Training and Certifications

- Asphaltic Concrete
- Soils
- Contract Plans Reading
- Construction Inspection Mathematics
- Drainage
- Concrete Materials
- Contract Encumbrance
- Payment Processing
- 0.1. Teams
- Put-It-In-Writing Course

QUALIFICATIONS:

B.S., Mechanical Engineering, 1988
Missouri University of Science and Technology

A.A., 1983
Three Rivers Community College

REGISTRATION:

Professional Engineer (FL #50484)

PROFESSIONAL EXPERIENCE:

1975 - 2011 (Career)
June 2009 - 2011 (LPA)

Senior Project Manager
THE LPA GROUP INCORPORATED

Mr. Ivy has worked in private consulting civil engineering and related fields since 1975, and as a group leader/project manager since 1994. Ivy joined THE LPA GROUP in June 2009 as a Senior Project Manager in the Tampa office, and is working on and providing oversight and expertise on multiple general civil engineering projects throughout the state of Florida and the Southeastern U.S. His project experience includes many different types of civil engineering projects of all sizes in planning, design and construction phases. Ivy possesses a strong understanding of the engineering and construction industry, having now been in it for more than 36 years. Also, having worked throughout the United States along with some overseas experience lends valuable knowledge. The types of projects Mr. Ivy has worked on in the past include water, wastewater and reclaimed water transmission and treatment; natural gas and anhydrous ammonia pipelines, pumping and process piping; transportation including roadway and bridge design; land development including drainage systems design and permitting; civil site engineering and permitting; extensive permitting from federal, state, city, county and other agencies such as improvement districts, railroads and other entities.

Typical project experience includes:

- Restore Biloxi - Infrastructure Repair Program – Area 07: Buena Vista East Phases I & II, Biloxi, Mississippi (2009-2011) – Senior Project Engineer doing engineering for the rehabilitation of water, sanitary sewer, storm sewer infrastructure in the Buena Vista East project area. Area 7: East Buena Vista is comprised of U.S. Highway 90, Water Street, Howard Avenue, and Peyton Avenue, as well as other streets that intersect these main thoroughfares. Responsible for civil engineering design, coordination with project team, preparation of construction drawings and specifications, permitting, bidding, and construction administration.
- City of Zephyrhills, Florida – Downtown Stormwater Retention Pond and Pump Station Improvements – (2009-2010) Project Engineer for design and preparation of construction plans and specifications for the renovation of the downtown stormwater retention pond and pumping station which serves and isolated drainage basin.
- Tampa Bay Pipeline Company, Ammonia Pipeline Main Extension, Port Sutton Road, Tampa, Florida (2009-2010) – Project Manager and Engineer of Record for a proposed Ammonia Pipeline main extension project to connect two separate ammonia delivery facilities/pumping stations at Port Sutton, which is a part of The Port of Tampa.

AREAS OF EXPERTISE:

- **Project Management**
- **Stormwater Management**
- **Project Engineering**
- **Civil Site Engineering / Permitting**
- **Design**
- **Oversight / Scheduling**
- **Construction Phase Services**

PROFESSIONAL EXPERIENCE
(Continued):

- Penn Tank Lines, Tampa, Florida (2008-2009) – Project Manager and Engineer of Record for the conversion of existing 10-acre tract and building into New Penn Tank Lines Trucking Facility Building and Site Appurtenances. Services included comprehensive civil site engineering including City of Tampa site plan approval, paving and drainage, water and watershed, and other miscellaneous engineering and related tasks. Penn Tank Lines uses tractor-trailers for the hauling of fuel.
- Florida Department of Environmental Protection Recreation and Parks Department, Hillsborough River State Park, Hillsborough County, Florida (2008-2009) – Project Manager and Engineer of Record for professional consulting services for proposed parking and stormwater management improvements. Project purpose is to restore natural drainage patterns and provide improvements to the water quality of the stormwater runoff into the Hillsborough River. The project is jointly funded by FDEP and SWFWMD.
- Natural Gas Main Extension, Fort Pierce, Florida (2006-2007) – Engineering and permitting for a 4,000 foot-long, 20" diameter Natural Gas Pipeline project to deliver natural gas to a new power plant being constructed by Florida Municipal Power Association (FMPA).
- Tampa Bay Pipeline Company & Tampa Electric Company, Ammonia Pipeline Main Extension, South Hillsborough County, Florida (2005-2007) – Engineer of Record for a 10-mile Ammonia Pipeline project to deliver ammonia to the Big Bend Power Plant for the SCR process. Permits were obtained for numerous CSX railroad crossings, numerous subaqueous pipeline crossings including the Alafia River and Bullfrog Creek, FDOT, Hillsborough County, SWFWMD, Port of Tampa, and EPC.
- Natural Gas Gate Station Projects, Fort Myers, Palatka, Tampa, and Manatee County, Florida (2003-2008) – Senior Engineer responsible for civil site engineering, mechanical piping design, and construction phase services for Natural Gas Gate Station projects throughout the State of Florida.
- Vandolah Natural Gas Main Extension, Hardee County, Florida (2003) – Engineer of Record and Project Manager for design and construction phase services for a seven-mile Natural Gas Pipeline project. Design, permitting, and construction was completed in record time (April to August 2003). Gas Main was put in operation in August 2003. Project was also well within budget.

PROFESSIONAL MEMBERSHIPS:

National Society of Professional Engineers
American Society of Civil Engineers
Florida Natural Gas Association
Florida Engineering Society
Florida Utilities Coordinating Committee
Greater Tampa Utility Group
Rotary International

ADDITIONAL TRAINING:

Underground Storage Tank Management, University of Wisconsin – Madison
Seismic Design of Highway Bridges, National Highway Institute, USDOT, FHWA, Imbsen and Associates, Inc. Engineering Consultants

**PROFESSIONAL
EXPERIENCE:**

1983 - 2011 (Career)

2002 - 2011 (LPA)

Public Involvement Manager
Florida Surface Transportation
THE LPA GROUP INCORPORATED

Mrs. Pfuntner has 28 years of experience in community involvement, public relations, business development, marketing, CADD management and production, graphics and manual drafting and survey processing in virtually all disciplines of engineering including roadway, drainage, site, environmental, landscape, signing and pavement marking, signalization, surveying and mapping (including R/W mapping). She is responsible for planning and implementing effective public involvement plans, public meetings, public speaking presentations and creating and distributing valuable communication materials, and informative websites for transportation and recreational projects, as well as business development, plans production supervision, preparation of man-hour estimates and project scheduling. She is familiar with the FDOT CAP criteria and characteristics of the Level of Impacts for transportation projects.

Ms. Pfuntner's extensive FDOT plans production expertise and graphics experience allow her to create literature and graphics, which effectively and accurately convey aspects of transportation or recreational projects to the public and stakeholders. She excels in interpersonal and organizational skills with effective communications, negotiations, analytical and problem solving skills.

LPA Project Experience:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Public Involvement Manager for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Districtwide Community Awareness for FDOT District Five – As Project Manager, Bonnie is responsible for coordination, development, implementation, notification and conducting public meetings/workshops and public involvement activities, such as presentations and meeting exhibit preparation for District Five's in-house design projects.
- SR 10 (US 90) Mahan Drive, from Dempsey Mayo Road to Walden Road in Leon County for FDOT District Three – Community awareness for the reconstruction and widening of a 3.1 mile existing 2-lane rural highway to a 4-lane divided highway in Leon County. Duties include development of the Community Awareness Plan – CAP Level II, and organizing/conducting public meetings. Also included is conducting coordination with property owners and FDOT regarding impacts and controversial changes in the access classification.
- SR 30 (US 98) Navy Boulevard Bayou Chico Bridge Replacement, in Escambia County for FDOT District Three – Community awareness at a CAP Level II for the replacement of the existing bridge with a 180' long bridge. This project's initial public meeting resulted in public input requesting a revised design to raise the horizontal clearance an additional 7' to allow for better boat access to and from the Bayou Chico. An additional public meeting was held to convey the raised bridge design which FDOT approved. The project also included coordination with property owners and FDOT regarding impacts of the raised profile grade of the bridge approaches.

AREAS OF EXPERTISE:

- *Public Involvement*
- *Presentation Materials/Graphics*

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 500 (US 192) Indian River Relief Bridge Replacements, in Brevard County for FDOT District Five – Community awareness at a CAP Level II for the development of a Design-Build Criteria Package. This project's public involvement activities included two agency meetings and one public meeting in addition to the development of the scope and CAP for the Design-Build RFP.
- Blueprint 2000 and Beyond General Engineering Consultant Contract – As Public Involvement and Public Information Manager for a \$800 million transportation infrastructure program, Ms. Pfuntner was responsible for management of the Public Involvement Program and supervision of the Public Information Officer and the Public Relations subconsultant. The Public Involvement Program includes development of Community Awareness Plans, organization and coordination of all project public meetings and hearings, and database management for public comment and commitment tracking on all projects. Other duties include web site development, press releases, media information and correspondence, and public speaking events. Additionally, she was responsible for production of project concept reports for seven transportation and stormwater improvement projects.
- SR 61 (US 319) Crawfordville Road from SR 30 (US 98) to Lost Creek Bridge, in Wakulla County for FDOT District Three – Community awareness for the reconstruction and widening of an existing 2-lane rural highway to a 4-lane divided highway that will include both a rural and urban section in Wakulla County. Duties include development of the Community Awareness Plan, and organizing/conducting three public meetings in the community. Also included is conducting coordination with property owners and FDOT regarding impacts of the future right-of-way. This project's public involvement aspects are being coordinated with two other design projects underway along the same corridor, adding two levels of coordination. This level of coordination adds continuity and is improving awareness county wide.
- Monticello By-Pass Corridor Study, in Jefferson County for FDOT District Three – Developed Community Awareness Plan, organized and conducted several public meetings in the community. Performed various data gathering activities for input into the socio-economic impact analysis.
- SR 20 (US 27) Milling and Resurfacing, in Jefferson County for FDOT District Three – Developed Community Awareness Plan.

Representative projects prior to LPA include:

- Florida's Turnpike Traffic General Consultant Contract - As a subconsultant to the GEC on two consecutive 5-year contracts, Ms. Pfuntner participated in public hearings held around the state. In this capacity she created presentations and graphic display boards, organized meetings for various types of public hearings and meetings, including renderings of noise walls and toll plazas.
- City of Tallahassee Continuing Services - Participated in public meetings to build awareness and consensus, created graphics and presentation materials for public meetings on several projects, which included renderings of stormwater facilities, roadway improvements and recreational enhancements to corridor projects.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Professional Credentials

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

Professional Organizations

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

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques

Years Experience with EGS: 19

Years Experience with Other Firms: 16

Relevant Experience

Leon County, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to Leon County under a General Service Contract. The tasks have included the Geotechnical analysis for the design life of existing culverts, culvert extensions, mast arm installation, slope evaluations, base failures, lane additions, structural foundations and stormwater pond designs. In addition, the services have included the analysis and remediation of several karst features

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Relevant Experience, cont.

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District 3, Chipley, FL – Provides miscellaneous services to the Florida Department of Transportation under a General Service Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

Capital Cascade Sinkhole, BluePrint 2000 and Beyond – Conducted an emergency geotechnical investigation and design for a sinkhole which formed during construction of a stormwater management facility. The site was a listed EPA Superfund location because of known buried coal tars; therefore, the sinkhole posed both an environmental and constructability problem. The project included the use of ground penetrating radar, as well as soil borings, to evaluate the subsurface conditions in 3 dimensions to verify the “throat” of the sinkhole. A remedial solution was then design and approved by EPA. This project has been awarded the local APWA Emergency Project of the Year and has been nominated for the State Award for 2011.

Lake Munson Sediment Evaluation, Leon County, Department of Public Works - Conducted the geotechnical investigation to evaluate the depth of sediment within Lake Munson as part of a Munson Slough Drainage Improvements Project. The investigation was conducted to map the natural lake bottom, and to determine the type of soils to be dredged and disposed of. In addition, the constituents within the sediments were analyzed to determine if they could be disposed of in a permitted Construction and Debris Landfill, or if they would require special handling due to contamination.

SR 263 (Capital Circle), Leon County, Blueprint 2000 and Beyond – Conducted the geotechnical investigation for the widening of 5 segments of Capital Circle, from I-10 at Capital Circle Northwest to the intersection of Capital Circle Southeast and Apalachee Parkway. The widening design included recommendations for lane additions, mast arm design, slope stability and retention wall design, culvert replacements and extensions, and stormwater treatment facilities. Extensive investigations into the potential of impact as a result of karst (sinkhole) formations were included.

SR 79, Washington County, FDOT District 3, Holmes and Washington County, FL (FDOT FPN 220773-32-01, Sections 3, 5, 6, 7 and 8) – Conducted the geotechnical investigation for five (5) sections of the SR 79 reconstruction and widening project in Washington and Holmes County, Florida. The geotechnical design for the roadway included asphalt coring, parameters for pavement design, analysis for culvert extensions and recommendations for swale exemptions and stormwater ponds. Also included in the project was the bridge and embankment design for the SR 79 bridge replacement over Holmes Creek and the bridge replacement over Reedy Branch Creek.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E.
Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971
Bachelor of Science, Civil Engineering, Oklahoma State University, 1977
Master of Science, Civil Engineering, Kansas State University, 1979
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter
Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow
American Public Works Association
National Society of Professional Engineers
Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

- Over 25 years of environmental design and permitting experience, including natural features, wetland delineation, environmental impact, and environmental management
- Highly-skilled at regulatory agency coordination
- Familiarity of Northwest Florida Water Management District, Florida Department of Environmental Regulation, U.S. Army Corps of Engineers, Leon County Permitting Requirements

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

Leon County, Department of Public Works, General Service Contract – Provides miscellaneous services to the County under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

City of Tallahassee, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to the City of Tallahassee under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Natural Bridge Road over the St. Marks River Bridge Replacement, Leon County, FDOT District 3 - Served as project manager for environmental permitting for Natural Bridge Road over the St. Marks River, an Outstanding Florida Water. The project included obtaining the following Leon County Growth Management Permits: Natural Features Inventory Permit, the Environmental Impact Analysis Permit, the Leon County Public Infrastructure Variance, and the Environmental Management Permit. In addition, permitting for wetland impact was obtained through the joint submittal of the ERP application with the FDEP and the ACOE.

SR 261 (Capital Circle SE), Leon County, Blueprint 2000 & Beyond – Completed the environmental permitting for the widening of Capital Circle from two lanes to 4 lanes from Tram Road to Woodville Highway. The widening design included recommendations for lane additions and stormwater treatment facilities to minimize impact to the natural features within the area. The permitting agencies included the City of Tallahassee, Growth Management Department (Natural Features Inventory Permit, Environmental Impact Analysis Permit, and Environmental Management Permit), US Fish and Wildlife Service (Gopher Tortoise Relocation Permit), and the Northwest Florida Water Management District (Environmental Resource Permit).

Eastern Transmission Line, Phase I and Phase II, City of Tallahassee - Completed the environmental permitting for the construction of twenty (20) miles of the Eastern Transmission Line for the City of Tallahassee, Electric Department. This project included close coordination with the City of Tallahassee, Growth Management Department, the Electric Department, the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers and the Northwest Florida Water Management District. The design route included the southern fence line of I-10 between the SR 319 and the SR 10 (Mahan Drive) interchange, west along Mahan Drive to Weems road, then south to substation BP-9 on Apalachee Parkway. The project included acquisition of the following permits: City of Tallahassee and Leon County – Natural Features Inventory, Environmental Impact Analysis, Environmental Management Permit; Florida Department of Environmental Protection – Dredge and Fill Permit, Stormwater Discharge Permit; U.S. Army Corps of Engineers – Nationwide Permit; and Northwest Florida Water Management District – Environmental Resource Permit.

Capital Cascade Trail Master Plan, Blueprint 2000 & Beyond - The Capital Cascade Trail project is a flood relief and greenways plan for a 5.2 mile corridor through Tallahassee, Florida. This project includes the planning and design for trails, parks and greenway amenities in combination with the stormwater aspect of flood control for the St. Augustine Branch and the Central Drainage Ditch. EGS worked with the Genesis Group to prepare the Natural Features Inventory Permit and participated in numerous public workshops.

Lake Elberta Park, City of Tallahassee - The Lake Elberta Park project included the environmental permitting and design for bike trails and picnic shelters to be constructed at the Lake Elberta Regional Stormwater Management Facility. This project included close coordination with the City of Tallahassee, Parks Division. Permits included the City of Tallahassee, Growth Management Department applications for the Natural Features Inventory, the Environmental Impact Analysis and the Environmental Management Permit.



2734 Capital Circle NE, Florida 32308

Phone: 850/385-1133

Fax: 850/385-1236

Website: www.dddsinc.com

PROFESSIONAL RECORD

Jason D. Hill, PSM
Survey Project Manager

Jason Hill has 23 years of experience in surveying and mapping, working primarily on Florida Department of Transportation projects for the past 16 years. His experience encompasses: design surveys; right-of-way surveys; horizontal and vertical control surveys, topographic surveys; including utilization of electronic field book; jurisdictional delineation; and geodetic and construction surveying. As a Project Manager he has the responsibility of managing multiple projects, ensuring detailed attention and quality assurance to each one. His duties include: client contact; scheduling, manpower allocation; quality control and project budgets. Mr. Hill has worked with various city and county governments, the Florida Department of Transportation, and a variety of private sector clients.

KEY PROJECTS

FDOT 3 SR 61/US 319 (Leon) 4246091 from Timberwolf Crossing to the Georgia State Line: Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL: Mr. Hill is the Project Manager for this project which consists of sixteen areas covering twenty-five square miles, which require location, identification and mapping of stormwater infrastructure. This is the second phase of a complete city-wide stormwater infrastructure inventory mapping project of the City of Tallahassee's stormwater WFR.

FDOT 3 Bellview & Bauer Bridge in Escambia County: Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 CR10 US 90 (Walton) 4246131 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

FDOT 3 SR20 (Leon County) 423067-1 Jason is the Project Manager for this project for which 3DS is providing surveying services for the 3R project These services included typical 3R cross-section and data collection of utilities, drainage and 2D planimetrics

FDOT 3 SR30A (Bay County) 219312-1 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 3D topographic survey.

City of Tallahassee/Blueprint 2000 Capital Circle NW/SW: Mr. Hill provided surveying services for the full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Holmes 4252772 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Walton 4252771 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 SR 291 (Escambia) 4153781 Jason was the Project Manager for this project which included boundary location for the preparation of a control survey.

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, Certification No. 6008



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Pamela W. Nobles, PSM
President

Ms. Nobles has been involved in surveying and mapping since 1991 and is the owner of Diversified Design & Drafting Services, Inc. (3DS), which specializes in finished topographic maps for use in engineering design. Ms. Nobles oversees all aspects of both Surveying and Photogrammetry operations by serving as Project Manager and Principle-in-Charge for both divisions as well as Business Manager for the Company. She also spends considerable time contributing and promoting the profession of Surveying and Mapping. She has served on the Florida Board of Professional Surveyors and Mappers, serving three years as chair. With this tenure, she helped institute and write a photogrammetric exam for licensure in the State of Florida. Ms. Nobles also participates on the National Council of Examiners of Engineers and Surveyors Exam Committee for Professional Surveyors as a Subject Matter Expert.

PROJECT HISTORY

Capital Circle NW/SW, 2006 – 2010, H.W. Lochner Engineering, Inc.
Tallahassee, Florida

Is serving as *Project Manager* for this full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phases 1 and 2, 2006/2011, Woolpert
Tallahassee, Florida

Served as *Principle-in-Charge* for both phases of this project. Phase 1 of this project consisted of four pilot areas and required location, identification and GIS mapping of stormwater infrastructure. The purpose was to assess the costs, approach and resources needed to complete a stormwater infrastructure inventory for the City of Tallahassee. The information was used to update the County's GIS database. In 2009, 3DS was awarded Phase 2 of this project which consisted of sixteen additional areas covering twenty-five square miles, which required location, identification and mapping of stormwater infrastructure

Leon County GPS/LIDAR Mapping, 2005 to 2009, Merrick Engineering Co.
Tallahassee, Florida.

Principle-In-Charge of this complete Blue Booking project involving GPS control network, target control and mapping check points for LIDAR mapping. This project create the initial database for the entire GIS system for Leon County. This system included planimetrics, contours and parcel mapping. 3DS has held the contract along with Merrick, Inc. for all updates performed since the initial program began.

FDOT 3 SR 61/US 319 from Timberwolf Crossing to the Georgia State Line, H.W. Lochner Engineering, Inc.
Leon County, Florida

Principle-In-Charge for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Panama City Airport Authority Mitigation Project, 2008 – 2011, St. Joe Company
Panama City, Florida

Currently serving as *Principle-in-Charge* for this project for which 3DS is producing color infrared mosaic photography to determine and document the health of various trees and foliage. 3DS is also providing horizontal and vertical geodetic control throughout the project area to support orthophoto production. On a bi-annual basis 3DS is providing oblique flights and photography of the project area as well.

FDOT 3, Design Group 07-2, SR61 and SR363, George & Associates, Inc.
Tallahassee, Florida

Principle-In-Charge of this full design and DTM survey of the Four Points area in Tallahassee. These were multi-lane intersection surveys in support of 3R design.

EDUCATION

University of Florida, Gainesville, Florida.
Surveying and Mapping BS

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, 1996, Certification No. 5645

Professional Land Surveyor, State of Alabama, 2006, Certification No. 27945-S

Board Member: Board of Professional Surveyors and Mappers Department of Agriculture and Consumer Services, Oct 2009 – Present.

Board Member: Board of Professional Surveyors and Mappers Department of Business and Professional Regulation. 2000-2008. Board Chair, 2001 – 2005; Board Chair 2002 – 2005; Vice Chair – 2001

Education/Training

BS / Land Surveying / 1981 / University of Florida

Registration/Certification

PLS / FL – 1983 / #4179

PLS / LA - 2009 / #5023

Experience

35 Years

Professional Affiliations

- Florida Surveying and Mapping Society
- American Congress on Surveying and Mapping
- National Society of Professional Surveyors
- American Association for Geodetic Surveying

Expertise

As Senior Project Manager of Cardno TBE, Mr. Thie is responsible for the acquisition and management of Surveying and Mapping multi-year contracts and individual projects in North Florida, Alabama, Mississippi, Arkansas and Louisiana. Over the course of his career, Mr. Thie has managed hundreds projects relating to all aspects of the surveying profession. This experience has given Mr. Thie the ability to oversee projects from conception to completion. He is able to anticipate challenges before they arise and find creative and innovative solutions, assuring projects are delivered on time or ahead of schedule and in a cost-efficient manner.

Mr. Thie extensive experience throughout the Southeastern United States includes, but not limited to: Boundary, GLO Retracement, Mean High Water, Right of Way, Horizontal and Vertical Control, Transportation Design, Subsurface Utility and Hydrographic surveys.

Over the course of his career, Mr. Thie has provided surveying and mapping services to Federal, State and Local Government agencies including Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), United State Army Corp of Engineers (USACOE) and the St. Johns River Water Management District (SJRWMD) to name a few.

Mr. Thie spent eight years as the Survey Consultant Project Manager with FDOT District II. While at the DOT, Mr. Thie oversaw the execution and completion of eight district wide Surveying and Mapping and Subsurface Utility Engineering contracts. This first-hand experience gave Mr. Thie a complete understanding of District II's requirements and procedures for completing all aspects of surveying relating to transportation facilities. Mr. Thie was also involved with the development and testing of the Department's Electronic Field Book (EFB) software during his DOT tenure.

Key Project Experience

I-10 Davis-Scenic Final Design / FDOT District III / Escambia County, FL. Cardno TBE is providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. I

Mid-Bay Connector Phase II and III / FDOT District III / Okaloosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. In total, Cardno TBE designated approximately 25,600 linear feet of underground utilities and completed approximately 40 test holes.

District Wide Surveying Contract / FDOT District II / Multiple Counties, FL. On an on-call, task work order basis, Cardno TBE provides Surveying and Mapping as well as Subsurface Utility Engineering services.

Drainage Improvements / FDOT District II / St. Johns County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to determine the horizontal and vertical position of the underground utilities within the project limits.

Statewide Surveying and Mapping Services / FDEP / FL. On a task work order basis, Cardno TBE provides miscellaneous surveying and mapping services.

District Wide General Engineering Contract / FDOT District II / Multiple Counties, FL. As task work orders dictate under this multi-year contract, Cardno TBE provides control, alignment and design surveying services. We also provide designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering.

I-295 from Common Wealth to Trout River / FDOT District II / Duval County, FL. Cardno TBE is completing control and design survey services as well as providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 20 and Hawthorne Road / FDOT District II / Alachua County, FL. Cardno TBE completed control and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15/US 17 / FDOT District II / Duval County, FL. Cardno TBE completed control, alignment, and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR AIA / FDOT District II / Nassau County, FL. Cardno TBE completed control, alignment and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Putnam County, FL. Cardno TBE completed a control survey as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface

Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits. Cardno TBE completed approximately 40 test holes to map a fiber optic cable.

SR 15/US 17 at Wells Road / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15 at 5th Avenue (Callahan) / FDOT District II / Nassau County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

I-75 / FDOT District II / Hamilton County, FL. Cardno TBE provided Surveying and Mapping services to recover and densify primary and secondary horizontal and vertical control as well as completing a topographic survey within the project limits.

SR 200 / FDOT District II / Alachua County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

Education/Training

MA / Construction Engineering and Management / 1980

BS / Civil Engineering / 1971 / Auburn University

Registration/Certification

PE / 2006 / FL / #65392

PE / 2008 / LA / #0033815

PE / 2006 / AR / #11084

PE / 2005 / MS / #16853

PE / 1990 / VA / #0402 021467

Navy Contracting Officer

Certified Acquisition Professional

Experience

39 Years

Professional Affiliations

- Florida Utilities Coordinating Committee
- American Society of Civil Engineers
- Society of American Military Engineers

Expertise

As the Director of Cardno TBE's North Florida Business Unit, Mr. Allen directs all Subsurface Utility Engineering, Surveying and Mapping and professional Utility Coordination projects in North Florida, Alabama, Mississippi and Louisiana.

Mr. Allen's experience providing Subsurface Utility Engineering services includes the management multi-year contracts and hundreds of individual projects. He has an outstanding record for the quality of his team deliverables and for delivering project on-time or ahead of schedule.

He is proficient with the latest industry technology, as well as developing and implementing successful management strategies. Mr. Allen is an original member of the American Society of Civil Engineers (ASCE), Standards Committee charged with creating the *National Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data* (CI/ASCE 38-02).

Key Project Experience

Thomas P. Smith WRF Improvement Project / City of Tallahassee Water Utilities Department / Tallahassee, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits of this plant expansion project. We mapped approximately 110,000 linear feet of underground utilities within the 30 acre design site and completed 217 conflict test holes to identify and facilitate the relocation of existing subsurface utilities. Our Subsurface Utility Engineering efforts on this project involved the identification of many different types of gas, sewer and water lines all involved in the treatment of wastewater. The design engineer provided a very specific framework for us to use during data collection and design file preparation. We successfully conformed to their requirements and mapped a very intricate web of subsurface utilities. Thanks to our efforts, they were able to design around many utilities and save the project owner dollars they could then use on other improvement projects. Cardno TBE also provided Surveying and Mapping services which included densification of traverse control and mapping the stormwater and gravity sewer systems within the plant.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 263 Capital Circle SE / City of Tallahassee, FL. Cardno TBE provided locating (ASCE Quality Level A) verification for existing water and sanitary sewer facilities on Capital Circle for the widening of SR-263. TBE researched a five year-old FDOT project for the widening of Crawfordville Highway in order to re-establish the precise location of an existing 30" transite/AC

sanitary force main at the Crawfordville intersection.

City Sewer Plant on Capital Circle / City of Tallahassee, FL. To assist with the planning of expansion alternatives for the Plant, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to verify the horizontal location of existing underground electric, natural gas, telephone, control wiring, water, and process piping.

Thirty-inch Sanitary Force Main Bypass / FDOT District III / Tallahassee, FL. Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services for the design and construction of a new 30" bypass sanitary force main. Where the force main crossed SR-10/US-90 Mahan Drive in Tallahassee; we avoided numerous communications, water, and natural gas underground facilities.

SR 313 (formerly SR 312 extension) from SR-16 to US-1 / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

Multilane Reconstruction of SR 369 from Wakulla County Line to LL Wallace Road / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 8/I-10 Rest Areas / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provided

designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30 (US 98A) / FDOT District III / Bay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 87, Segment 4 / FDOT District III / Santa Rosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 83 (US 331) from Choct. Bay Relief Bridge to South of SR 20 / FDOT District III / Walton County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30/US 98 from S. of 9th Street to ICWW Bridge / Gulf County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 8 (I-10) from East of SR 291 (Davis Highway) to East of SR 10A (US 90) / FDOT District III / Escambia County, FL. For the multi-lane reconstruction project widening SR 8(I-10) from four lanes to six lanes from East of SR 291 to East of SR 10A; Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.



3. If the respondent is not a joint venture, list outside consultants anticipated to be used on this project. When listing consultants, give the respective specialty of the firm. Standard form SF330 may be used for consultants, if desired.

TECHNICAL EXPERTISE

LPA has assembled a well qualified Team to complete any potential assignment. Our office is conveniently located off Apalachee Parkway in Leon County and we have staff members with previous experience with the County. By using established local subconsultants with the technical expertise, we can stretch your dollars by minimizing travel costs. Our survey and geotechnical crews are local. Our entire Team lives and works in Leon County. For Parks and Recreational Facility Engineering services we have teamed with two Leon County/City of Tallahassee certified Minority/Women Owned Business Enterprises with which we have a long established relationship.

Environmental and Geotechnical Specialists, Inc.

104 North Magnolia Drive, Tallahassee, Florida 32301
Phone: (850) 386-1253, Fax: (850) 385-8050



The M/DBE firm of **Environmental and Geotechnical Specialists, Inc. (EGS)** provides the specialty services associated with environmental and geotechnical engineering. EGS is highly qualified and has an outstanding work experience in northern Florida. EGS specializes in the areas of environmental permitting, environmental site assessments, contamination assessments and geotechnical investigations and designs. The staff at EGS has been providing professional services in this area since 1992. EGS is dedicated to providing exceptional services at competitive rates.

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS' professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. All subsurface investigations and recommendations are coordinated with the Project Manager to assure an investigation is focused on the project issues. All team members are familiar with the requirements for geotechnical evaluations and report submittals.

EGS also has a professional and knowledgeable staff experienced in providing environmental assessments and engineering solutions to various construction related environmental problems encountered during the planning, engineering and design phase of the projects. EGS' staff is familiar with the regulatory requirements of the Northwest Florida Water Management District, the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers. The results of EGS' investigations are presented in a focused engineering report prepared by a licensed professional engineer.

3DS

2374 Capital Circle NE, Tallahassee, Florida 3230
Phone: (850) 385-1133, Fax: (850) 385-1236



3DS has extensive experience in geodetic control surveys, boundary surveys, construction layout, as-built surveys, CEI surveys, right-of-way surveys and wetland jurisdiction surveys. One of the things that makes 3DS unique is that many of these surveys can be performed either traditionally or through photogrammetric methods.

3DS is prequalified with the Florida Department of Transportation and is a Leon County / City of Tallahassee certified Minority/ Women Owned Business Enterprise.

Services Include:

- Geodetic Control Surveys
- Blue Booking Control Networks
- Topographic Surveys (conventional, photogrammetric, LiDAR)
- LiDAR data processing
- Orthophotos
- Wetland jurisdictional surveys
- Airport Surveys
- Mobile LiDAR feature extraction
- High Definition Scanning



Cardno TBE

2804 Remington Green Circle, Suite 4, Tallahassee, Florida 32308
Phone: (850) 385-8232, Fax: (850) 385-8233



Cardno TBE provides clients the highest quality Subsurface Utility Engineering, Three-Dimensional Underground Imaging, professional Utility Coordination, Utility Design and Surveying and Mapping services available.

Throughout the United States and Internationally, Cardno TBE associates are actively involved with industry associations and take part in the research and development of industry standards and guidelines. Due to this and extensive practical experience, their associates are sought internationally for speaking engagements.

Cardno TBE began providing Subsurface Utility Engineering in 1993. Annually, Cardno TBE successfully completes, on average, 11,000 test holes and 5,000,000 linear feet of designating. They have more Subsurface Utility Engineering professionals, equipment and vehicles than any other engineering and design firm, making Cardno TBE the largest Subsurface Utility Engineering provider in the world.

Cardno TBE's staff includes professional, registered surveyors and engineers, survey technicians and field crews. Each associate is focused on maintaining cutting-edge, quality service. Using sophisticated equipment and technology, their professionals prepare 2-D maps and/or 3-D digital files as needed for the task at hand. Applications include federal, state, county and city government continuing service contracts and stand-alone private and public projects.

They are an energetic firm committed to providing innovative and sustainable solutions. Cardno TBE is one of the few firms who have not only embraced the principles and techniques of Total Quality Management (TQM), but use TQM to continually examine and improve their internal processes and procedures to help implement their vision. In fact, 90% of their clients surveyed indicate they would recommend them to someone else for their services. This demonstrates their commitment to quality.

Cardno TBE is currently ranked 9th on *Trenchless Technology's* Top 50 Design Firms (2009) and #137 on *Engineering News-Record's* (ENR) List of Top 500 Design Firms (2010) and is the recipient of numerous industry and civic awards, including;

- 2006 North American Society for Trenchless Technology (NASTT) Industry Achievement Award for Cardno TBE's contribution over the past 15 years in the development and support of the trenchless technology industry
- Federal Highway Administration (FHWA) 2009 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2007 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2006 Excellence in Utility Relocation and Accommodation/Innovation Award

Headquartered in Clearwater, Florida, Cardno TBE has over 40 offices providing services throughout the United States, Canada, United Kingdom, China and Puerto Rico. For more information about Cardno TBE, visit www.CardnoTBE.com. Learn more about Subsurface Utility Engineering at www.SubsurfaceUtilityEngineering.com.



B. EXPERIENCE WITH PROJECTS OF A SIMILAR TYPE AND SIZE

1. *List the projects in the Work Category which best illustrate the experience of the firm and current staff which is being assigned to this project. (List no more than 10 projects, nor projects which were completed more than five (5) years ago.) a) Name and location of the project b) The nature of the firm's responsibility on this project c) Project Owner's representative name, address and phone number d) Project user agency's representative name, address and phone number e) Date project was completed or is anticipated to be completed f) Project manager and other key professionals involved and specify the role of each.*

See project summaries on the following pages.

SR 10 (US 90)

Leon County, Florida

Owner: Florida Department of Transportation

Construction Cost: \$40 Million

Start Date: February 2005

Completion Date: December 2011 (Est.)

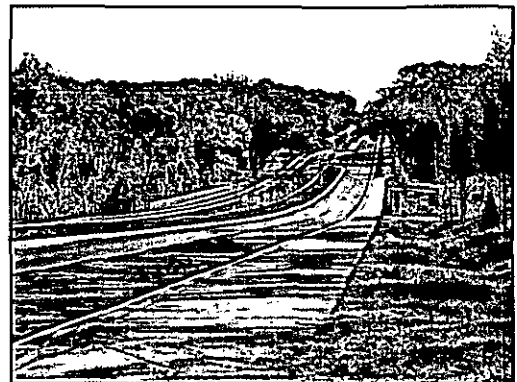
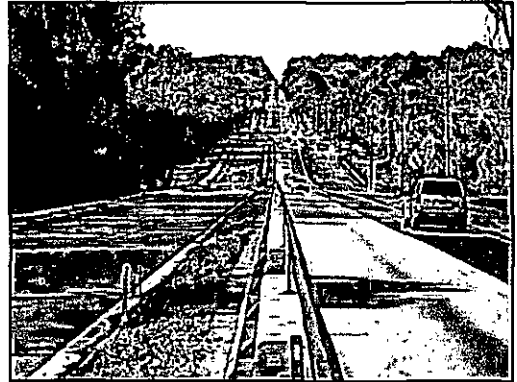
Scope of Services:

- Preliminary Road / Bridge Plans
- Bridge Hydraulic Report
- Signing and Pavement Marking Plans
- Right-of-Way Plans
- Traffic Analysis
- Drainage Plans
- Surveys
- Landscaping Plans
- Final Road / Bridge Construction Plans

Design of a three-mile arterial connector. Work included widening an existing two-lane rural roadway to a four-lane divided facility with curb and gutter, sidewalk, bicycle lanes, multiple storm drain systems discharging to three offsite stormwater facilities, four on-site stormwater facilities and off-site watercourses. Permitting activities involved FDEP, Leon County and NFWMD. In addition, there was a dual bridge replacement that required a FEMA "no-rise" hydraulic analysis coordination and certification with Leon County.

CONTACT:

Mr. Scott Golden, P.E.
District Design Engineer
FDOT, District Three
1074 Highway 90
Chipley, Florida 32428
Phone: (850) 638-0250
Fax: (850) 415-9148



CAPITAL CIRCLE (SR 263) STRATEGIC INTERMODAL SYSTEM (SIS) CONNECTOR PROJECTS Tallahassee, Florida

Owner: Florida Department of Transportation

Construction Cost: \$525,000.00

Completion Date: April 2007

Scope of Services:

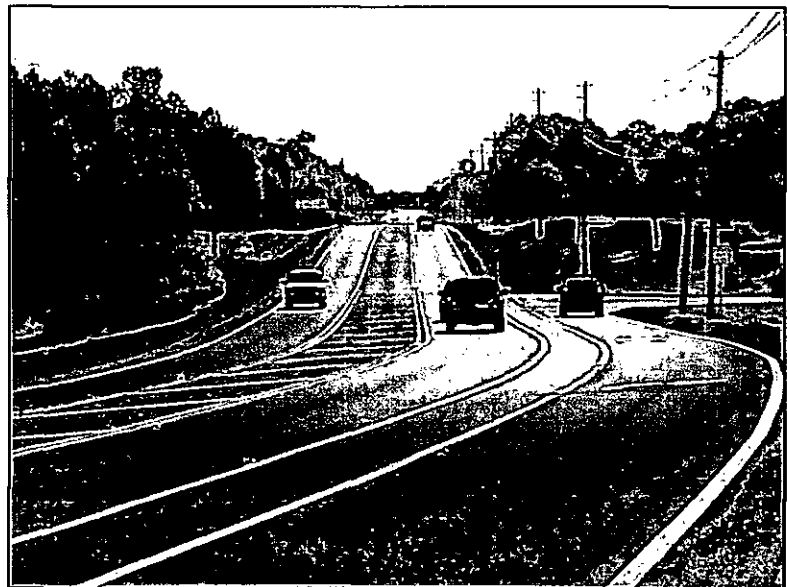
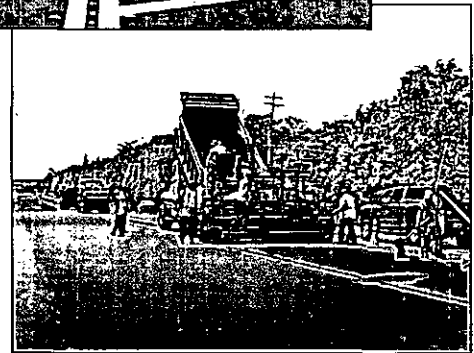
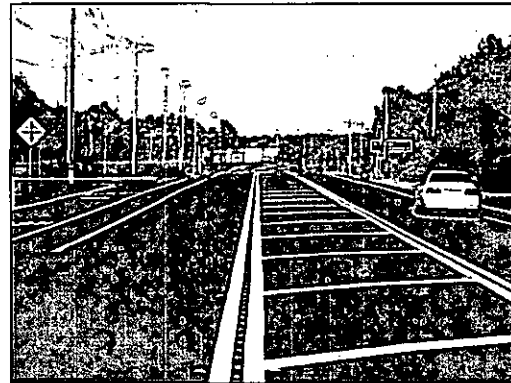
- Design Phase Services
- Permitting
- Environmental Assessment Services
- Bidding Phase Services
- Construction Administration Services
- Construction Inspection Services

For this project, LPA was tasked with design and construction administration for improvements to Capital Circle along the frontage of Tallahassee Regional Airport. The project consisted of design of 7,100 LF of roadway involving turn lane improvements and shoulder widening, permitting with local agencies and FDOT, relocation of utilities, and overall construction management. This project is meant to improve access to the Airport and add a third lane to the existing two lane configuration to help reduce traffic congestion. A new right turn into the new Air Cargo Facility was also added. LPA was responsible for all design activities including pavement design, roadway design, drainage design, signing and marking design, MOT plans and construction administration. LPA provided a full time resident project representative on site every day throughout construction. LPA conducted weekly construction meetings with airport and contractor staff.

Stormwater design included modification of two existing minor storm drain systems, extending and modifying several cross-drain pipes and providing stormwater treatment and attenuation in a series of linear facilities within the existing Right-of-Way. Permitting was coordinated with and through COTGM.

CONTACT:

Mr. Mike Clow
Capital Program Administrator
Department of Aviation
Tallahassee Regional Airport
3300 Capital Circle, SW
Tallahassee, Florida 32310
Phone: (850) 891-7802



CAPITAL CIRCLE SOUTHEAST (TRAM ROAD TO CONNIE DRIVE)

Leon County, Florida

Owner: BluePrint 2000 Intergovernmental Agency

Construction Costs: \$37,715,142

Completion Date: 2009 (Design-Build)

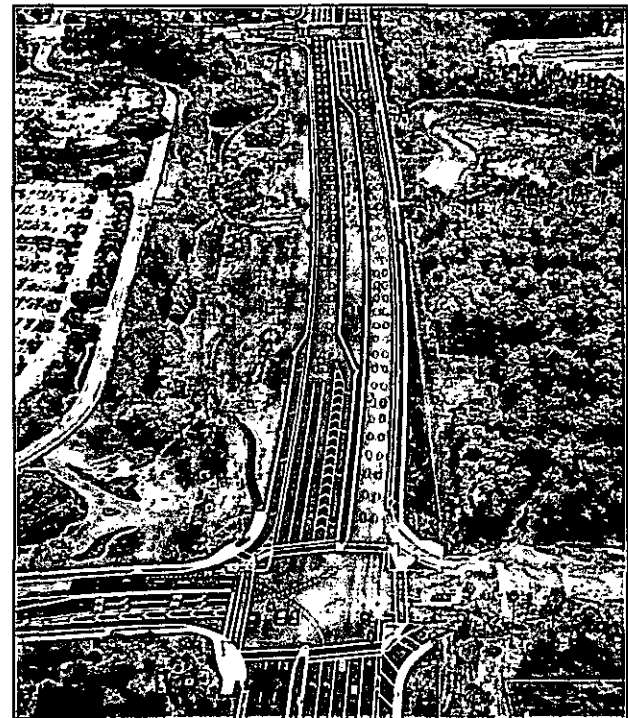
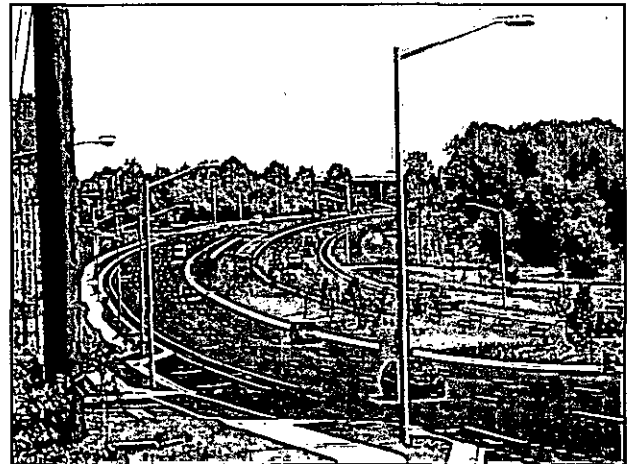
Scope of Services:

- Design Review
- Consultant Project Management
- Public Involvement
- Construction Management & Oversight
- Multi-Agency Maintenance Agreements

THE LPA GROUP serves as the General Engineering Consultant for the 3.5-mile multi-laning of Capital Circle Southeast (US 319/SR 261) in Leon County. The widening project included expanding the existing two-lane undivided rural roadway to a six-lane divided urban (curb and gutter) facility. The project included significant landscaping as well as pedestrian, bicycle and recreational amenities. This project is part of the State Highway system and was completed in close coordination with the Florida Department of Transportation, District Three as Leon County's first transportation Design-Build project. Stormwater involvement and services included phase reviews to assure the design met the criteria for stormwater conveyance, stormwater management, and permitting aspects of the design developed for BluePrint 2000, with FDOT as the owner and the City of Tallahassee as the maintaining agency of the SWMFs.

CONTACT:

Mr. Phil Maher
 BluePrint 2000 Interim Executive Director
 2727 Apalachee Parkway
 Suite 200
 Tallahassee, Florida 32301
 Phone: (850) 219-1060



CAPITAL CIRCLE SOUTHEAST (WOODVILLE HIGHWAY TO TRAM ROAD)

Leon County, Florida

Owner: BluePrint 2000 Intergovernmental Agency

Completion Date: 2010 (Design-Build)

Construction Cost: \$20,000,000

Scope of Services:

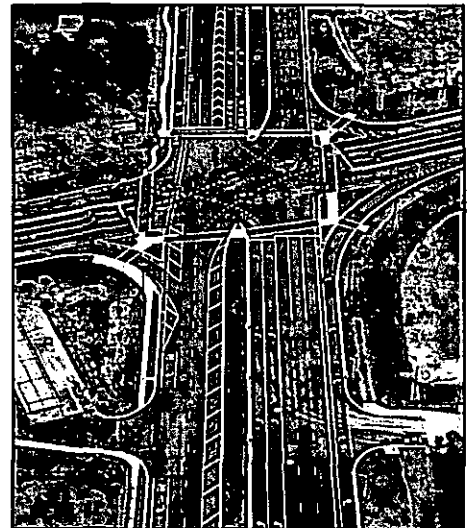
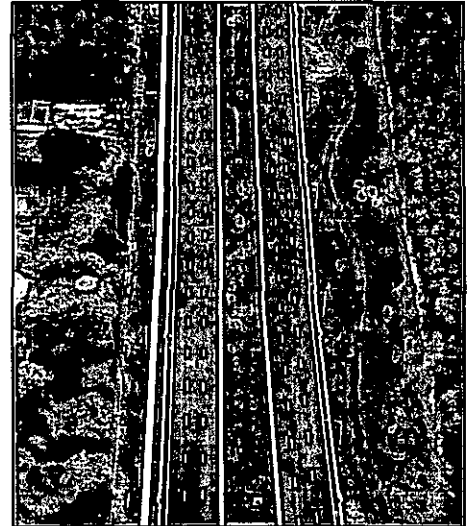
- Design Review
- Consultant Project Management
- *Public Involvement*
- Construction Management and Oversight
- Multi-Agency Maintenance Agreements

THE LPA GROUP served as the General Engineering Consultant for the 2.3 miles multi-laning of Capital Circle Southeast (US 319/SR 261) in Leon County. The widening project included expanding the existing two-lane undivided rural roadway to a six-lane divided urban (curb and gutter) facility. The project included significant landscaping as well as pedestrian, bicycle and recreational amenities. This project is part of the State Highway System and was completed in close coordination with the Florida Department of Transportation, District Three.

Stormwater involvement and services included phase reviews to assure the design met the criteria for stormwater conveyance, stormwater management and permitting aspects of the designs developed for Blueprint 2000, with FDOT as the owner and the City of Tallahassee as the maintaining agency of the SWMFs.

CONTACT:

Mr. Phil Maher
BluePrint 2000 Interim Executive Director
2727 Apalachee Parkway
Suite 200
Tallahassee, Florida 32301
Phone: (850) 219-1060



CAPITAL CASCADE TRAIL MASTER PLAN (BLUEPRINT 2000 PROGRAM)

Tallahassee, Florida

Owner: BluePrint 2000
Intergovernmental Agency

Construction Cost: \$150,000,000

Scope of Services:

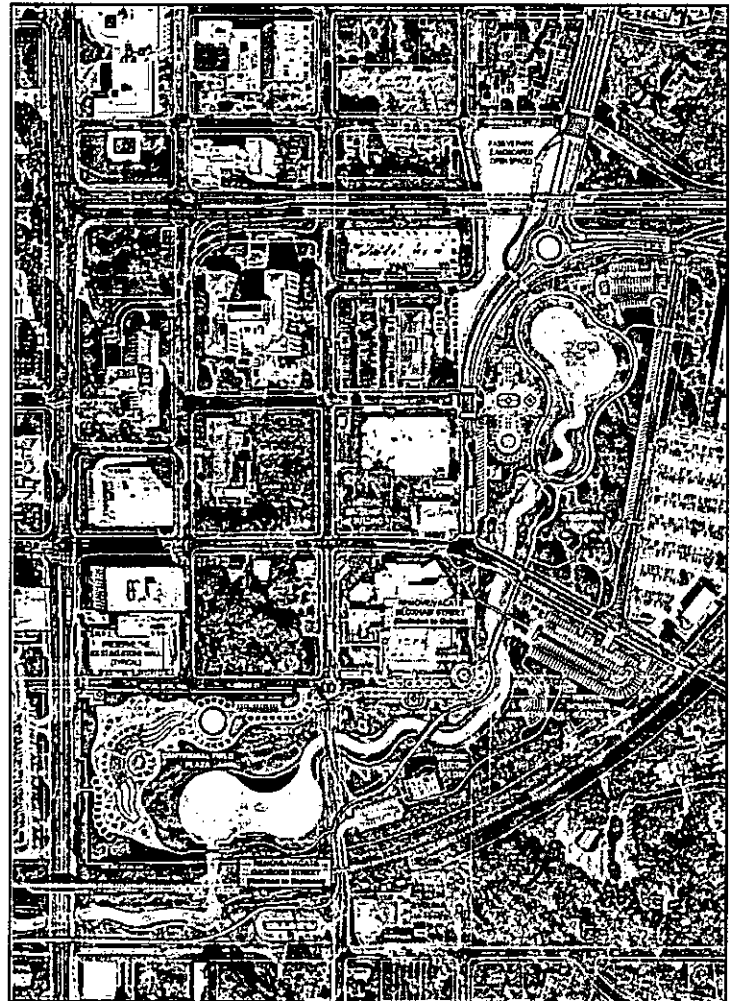
- Hydraulic Master Planning
- SWMM Model Reviews
- Stormwater Management Reviews
- Final Construction Document Reviews

The Capital Cascade Trail Master Plan is a plan to improve and upgrade approximately 4.2 miles of the current degraded main channels and ditches that drain a 45,500 acre watershed in downtown Tallahassee. Along with these improvements is the development of trails and parks, with proposed stormwater management lakes and ponds as needed for flood detention and water quality enhancements.

This project consists of a hydraulic master plan for retrofitting approximately 4.2 miles of the main channels draining a 45,500 acre watershed including a large part of the City of Tallahassee. This project emerged from the desire to convert the existing degraded channels and ditches into a series of linear stormwater management facilities to address serious flooding in numerous sub-basins of the watershed. The initial and expanded master plan, developed over a period of several years, cost approximately \$2 million. THE LPA GROUP was contracted by BluePrint, the government organization administrating the project, to review the 600-Node SWMM models and to review the final construction documents. LPA will also review the proposed stormwater management revisions utilizing the model as needed to evaluate the four segment design projects.

CONTACT:

Mr. Phil Maher
BluePrint 2000 Interim Executive Director
2727 Apalachee Parkway
Suite 200
Tallahassee, Florida 32301
Phone: (850) 219-1060



BANNERMAN ROAD (CR 0342) BETWEEN MERIDIAN ROAD AND THOMASVILLE ROAD Tallahassee, Florida

Owner: Leon County

Completion Date: October 2011

Scope of Services:

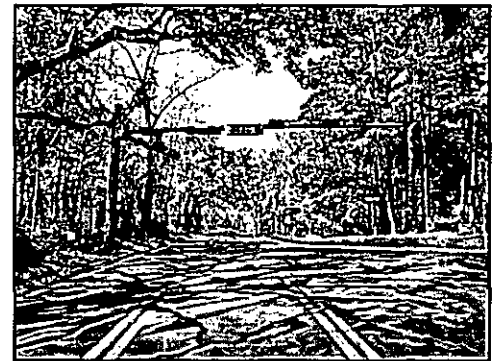
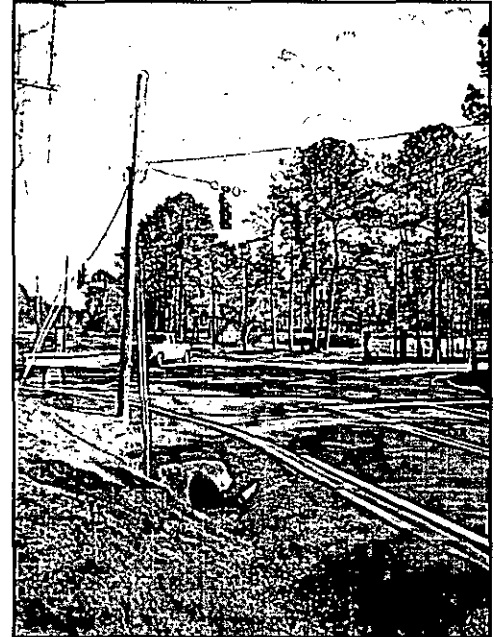
- Preliminary Engineering and Design Services
- Development of Project Concepts in Conjunction with a Citizens Advisory Committee
- Public Involvement Activities
- 30% Conceptual Design
- Optional Services for 100% Construction Documents

The 3.4 mile Bannerman Road project requires the development of a PD&E study of the corridor. The project study is to evaluate the need to reconstruct the existing two-lane rural roadway into a four-lane facility including consideration of adding pedestrian, bicycle lanes and additional travel lanes to the present roadway. The project development involves working with a Citizens Advisory Committee to develop the project design standards and criteria. The corridor traverses two of the most sensitive and restrictive watershed areas within Leon County, Lake Jackson Basin and the Bradfordville Study Area.

As a subconsultant to RS&H, LPA has been tasked with the development of the project stormwater design and management concepts and development of 30% preliminary drainage plans. The project has been divided into three segments. Preliminary analysis indicates that the existing two-lane facility may satisfy the design year traffic from Meridian to Tekesta but still requires the consideration of non-vehicular aspects. Traffic requirements on the segment east of Tekesta will require multi-laning. Due to the severe stormwater management requirements, low infiltration soils and very restrictive existing Right-of-Way, development of suitable and cost-effective stormwater management options represent a challenging opportunity for the LPA stormwater engineers.

CONTACT:

Drew Roark, P.E.
RS&H
Project Manager
1701 Hermitage Boulevard
Suite 101
Tallahassee, Florida 32308
Phone: (850) 558-2800 Ext. 2821





2. Provide names and descriptions of projects for which the firm is presently under contract that demonstrate capabilities and qualifications for this work category.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

3. Describe the Firm/Joint Venture's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for this Work Category.

The LPA Team assures that current design standards and processes and procedures are followed for all projects by following an approved quality control procedure. All staff are trained in the QC procedures and all LPA project managers review the QC procedures to ensure that they are adhered to for all assignments.

QUALITY CONTROL/QUALITY ASSURANCE

LPA's Mission Statement requires delivering a quality product that exceeds our clients' expectations for accuracy, innovation, and timeliness. To ensure compliance with these requirements, LPA has established strict procedures to monitor the quality of the construction plans and other documents.

The issue of quality at LPA goes above and beyond production control of the actual documents and plans. LPA, through its association with the American Society for Quality Control and local area quality councils, is committed to the quality improvement process.

The responsibility for quality control rests with the Team's Project Manager. This leader is responsible for ensuring that all elements of the design receive the appropriate reviews (plans checking, quality reviews, and peer reviews). In addition to scheduled reviews, periodic reviews will also be performed by senior members of LPA who are not directly associated with the project. LPA's quality program not only incorporates the review and checking of documents and plans, but also recognizes the importance of continuous training of managerial as well as technical personnel.

The Quality Control Procedures for these projects include the following basic elements:

- **Pre-Project Meetings:** These meetings will be attended by all prospective team members to develop concepts and strategies that will guide development of the plans and specifications, define communication lines, delegate responsibilities, establish financial objectives, and set deadlines.



- Project Kickoff Meeting: After receiving the Notice-to-Proceed, the project team members will meet to discuss the scope and to plan for the Project Kickoff.
- Quality Reviews: The Senior Engineers will participate in every stage of the review process to minimize deficiencies, such as errors or omissions, which can result in rework and change orders during construction.
- Design Reviews: In addition to the Design Engineering reviews that will take place at the Preliminary and Pre-Final design stages, all design and plan production elements will be continuously checked during production for accuracy and adherence to the scope of the project.
- Final Review: This review will incorporate all comments from project team members, clients, and quality control reviews to create a library edition of the project documents that can be used for future training and reference.

Specific features of LPA's Quality Program include:

- Team Approach: All project team members will be involved from the beginning so that each member understands the project concepts and individual commitment and involvement are maximized.
- Database: In addition to utilizing the County's and FDOT's standards, details, and technical specifications, the project team is able to incorporate a vast number of construction details and supplemental specifications from LPA's database that has been gathered through many years of experience in road and bridge design.
- Project Accountants: Each project team includes a member of LPA's financial team who coordinates financial details for the duration of the project. Monthly reports will be submitted as required by the County.
- Constructability Review: A Senior Construction Manager familiar with the site and similar type projects will conduct a Constructability Review at the Pre-Final design stage. The results are shared with the project team so that pertinent issues can be incorporated into the final plans.

The project team members believe that applying each of the Quality Control elements listed above will allow LPA to provide a high quality product that meets the established schedule and addresses all tasks identified in the project scope. As illustrated in other sections of this proposal, the project team has historically been successful in delivering a quality product within schedule and within budget.

METHODOLOGY FOR CORRECTING ERRORS AND OMISSIONS

LPA believes and instills in its entire staff, the principle that the best method for preventing error and omissions in design and construction is a solid, well-articulated and effective Quality Control Program. Quality control and quality assurance in the design process help assure that errors and omissions in construction plans are eliminated. Errors or omissions detected in the design process during the quality control process are corrected prior to submission of the drawings. In the unlikely event that plans go to construction and an error or omission is detected, the following corrective action would be implemented:

1. Review and correct the error by revision to the plans.
2. Coordinate with the contractor for corrective action if the project is under construction.
3. Assure if possible that no delay to existing construction projects occur.
4. Review the error or omission to find the source, to find how it was not detected in the quality review process, and to implement corrective action to assure it does not reoccur.

As a back up and as required by the County, THE LPA GROUP INCORPORATED carries appropriate level of errors and omissions insurance. The insurance provides ultimate recourse to the County and provides protection to the County and the public against damages due to errors and omissions in design plans.

THE LPA GROUP INCORPORATED has no recent examples of projects in which the previous steps have had to be implemented. The LPA Quality Control Plan is an effective tool in the prevention of errors and omissions in design plans, and will be utilized on all County projects and assignments to prevent errors from occurring.

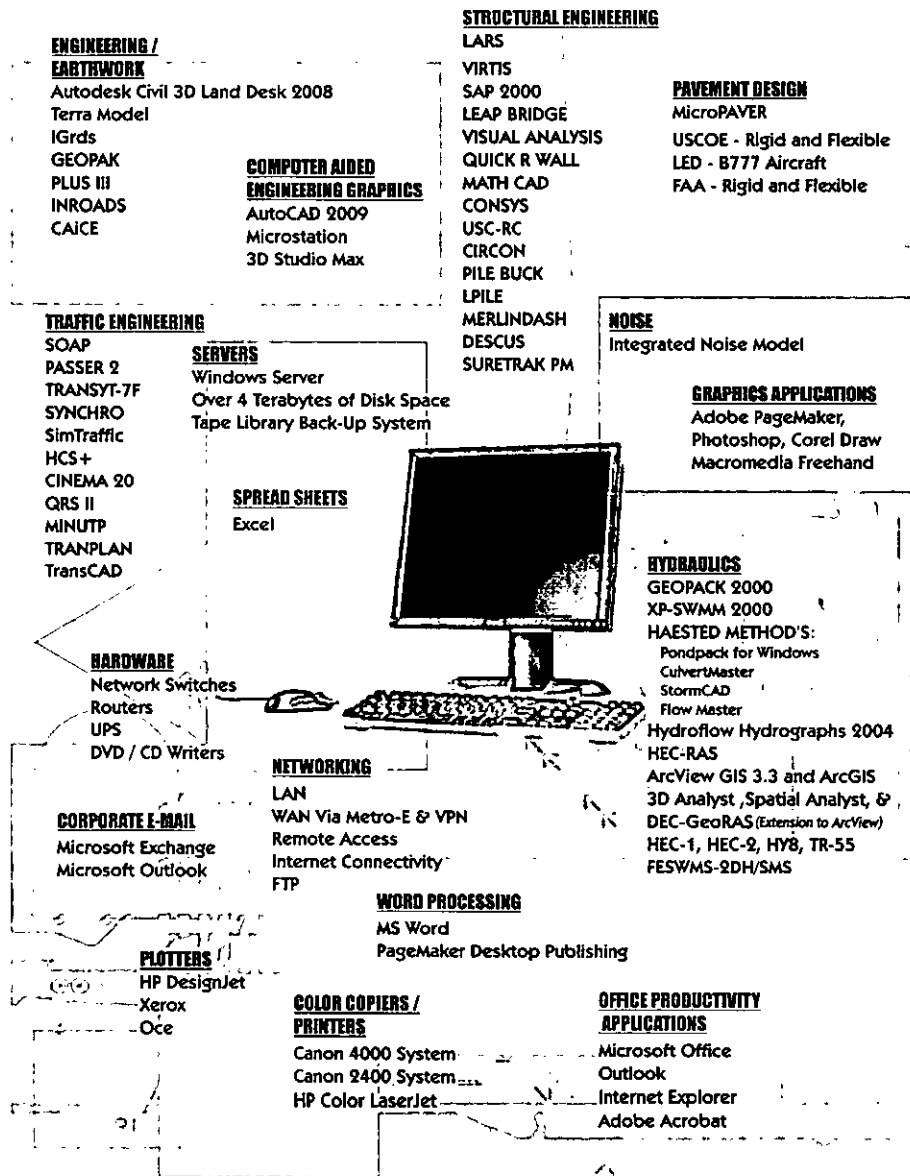


4. Describe basic and special resources available to the firm for the performance of the duties that may be assigned in this work category. Examples would be specialty software, equipment, computers, vehicles, etc.

COMPUTER RESOURCES

THE LPA GROUP INCORPORATED recognizes that Information Technology (IT) plays an essential role in the engineering, architecture, and planning process. We are committed to updating and maintaining state-of-the-art computer and networking capabilities in order to best serve our clients and improve our work process. We know that the utilization of computer technology by our qualified and talented personnel insures accuracy, enhances productivity, and lowers overall project and associated overhead costs.

All LPA offices are connected by a Wide Area Network (WAN) via a Frame Relay Network and Virtual Private Networking (VPN) connections through various Digital Subscriber Link (DSL) providers. In addition, all mobile users have access to all WAN resources using dial-up Internet accounts and VPN connections as well.





CURRENT DESIGN STANDARDS

The LPA Team is familiar and trained in the use of all appropriate design standards for any of the possible assignments under this contract. This includes FDOT and other state agencies, Federal and local design standards that may apply to each specific assignment. For each assignment, the LPA Team will prepare a Project Criteria Document. This document is prepared for every project and will specify which particular design standard and specific criteria within that standard will apply for each assignment. The Project Criteria Document will be completed and submitted to Leon County Public Works for concurrence prior to commencement of any work on a specific assignment.

CURRENT TRAINING

To supplement our design experiences and to stay current on recent technology and developments, our staff participates in conferences and seminars. The following is a list of conferences and seminars our staff has recently attended:

- Advanced Maintenance of Traffic (MOT)
- Utility Accommodation
- Long Range Estimates (LRE)
- Specification Package Preparation
- Errors and Omissions
- Microstation V8 Seminar
- FICE/ FDOT Design Conferences and Seminars

Use of the FDOT design requirements as established in the "Greenbook" will be employed, as well as AASHTO and FDOT Standard Indexes. Contractors have familiarity with these standards, and use of these will be to the County's benefit.



C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Given the fiscal constraints of local governments, and Leon County in particular, all budget requirements for projects to be assigned must be met. Describe your methodology for ensuring the schedule is met and for ensuring budget requirements are not exceeded.

The completion of successful projects require that the firm have a thorough understanding of the project schedule and the project budget and that quality design and construction documents are provided to Leon County. The LPA Team is committed to quality in all its assignments and will provide a product that exceeds Leon County's expectations for timely delivery and on (or under) budget design and schedule.

PROJECT SCHEDULE

THE LPA GROUP INCORPORATED will develop a detailed schedule for every project, highlighting the major work efforts with a breakdown of the sub-tasks and corresponding time periods and manpower required to complete the work. Successful completion of the project will necessitate continuous coordination between the County's Project Manager and LPA to ensure strict adherence to the County approved project schedule. The LPA Team will assure that this coordination occurs without burdening the County's staff.

Depending on the type of project, several tasks may become critical to the schedule and the timely completion of the project. These tasks may include:

- Environmental Studies
- Geotechnical Exploration
- Design and R/W Surveys
- Traffic Analysis
- Drainage Analysis and Design
- Roadway Analysis and Design
- Bridge/Structural Plans
- Identification of Right-of-Way Requirements
- Utility Coordination and Utility Plans
- Cost Estimates

To ensure compliance with the schedule, crucial tasks will be identified early and multiple teams will be assigned to perform several tasks in parallel.

BUDGET

The LPA Team monitors project budgets continuously over the life of each assignment. Monthly, all LPA Project Managers report project status to their managers. This status evaluates project progress by reviewing the schedule and tasks completed to date. Each month a new 'estimate to complete' is prepared which estimates time and tasks necessary to complete the project. Project schedules are 'resource loaded' with the project budget, which provides a valuable tool to evaluate budget over its life. Monthly, the project is deemed either ahead, on, or behind schedule.



D. EFFECT OF FIRM'S RECENT, CURRENT AND PROJECTED WORKLOAD

1. Provide names and descriptions of projects for which the firm is presently under contract and the anticipated completion dates of those projects.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
<i>Continuing Consulting Engineering Services</i>	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
<i>General Engineering Consultant Services</i>	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
<i>Civil Engineering Services, Continuing Supply</i>	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
<i>Continuing Consulting Engineering Services</i>	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

2. Describe the firm's ability to absorb any projects resulting from this contract.

THE LPA GROUP is committed and available to provide engineering services for any assignment under this contract. LPA has the management tools in place to anticipate upcoming assignments and to assign appropriate staff to complete projects within approved schedules and on or under budget. Specifically, the LPA Team will provide Leon County with the following for these assignments:

FULL SERVICE CAPABILITIES

THE LPA GROUP INCORPORATED is fully capable of acting as an extension of the County's staff to administer all required engineering design services for the preparation of plans and specifications meeting the County's requirements. LPA's transportation experience encompasses a broad range of projects with variable complexities, including minor projects such as roadway milling and resurfacing and stormwater modeling. Major projects include the construction of limited access highways, interchange modifications, and complex bridge designs. The following is a list of LPA's pre-qualification work classes for the Florida Department of Transportation:

- 2.0 Project Development and Environmental Studies
- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Complex Highway Design
- 4.1 Minor Bridge Design
- 4.2 Major Bridge Design



- 5.1 Conventional Bridge Inspection
- 5.3 Complex Bridge Inspection
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3 Traffic Control Systems Analysis, Design, and Implementation
- 7.1 Signing, Pavement Marking and Channelization
- 7.3 Signalization
- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI
- 13.4 Systems Planning
- 13.5 Sub Area/Corridor Planning
- 13.6 Land Planning/Engineering

FAMILIARITY WITH PROJECT

LPA's key personnel have been involved with numerous projects similar to what may be assigned under this contract. We feel we have a clear understanding of the scope of the variety of these projects and can meet all of the County's needs. For a detailed description of our approaches and understandings, see the Section titled "F. Approach to the Project."

ABILITY TO MEET DEADLINES

The Firm has a proven track record in performing and meeting tight schedules. We fully understand that this is a high priority item with clients; therefore, we will meet all deadlines established for your projects. Our past successful experience with On-Call design services is a proven record of our commitment to meet deadlines.

WORK LOAD

The current and projected work commitments for the professional, technical, and supporting staff of LPA are low with respect to the capabilities of the staff to effectively prosecute additional work commitments. We are prepared to begin work on your projects immediately.

PROFESSIONAL INTEGRITY

LPA has been retained by municipalities throughout the United States to provide transportation consulting services. Many of these Clients are repeat clients who demand the utmost in professional integrity and competence from their transportation consultant.



E. EFFECT OF PROJECT TEAM LOCATION

Provide the location of where the project team will predominately reside to conduct the majority of work. If located out of the region, describe the plan for ensuring community involvement and on-site visits.

LPA's Tallahassee office, located off Apalachee Parkway in the Koger Center, is a 15 minute drive from the Leon County Public Works office on Miccosukee Road. All of our subconsultants are also located within the Leon County area. LPA's Tallahassee office is a full-service 25 person engineering office. The Tallahassee office was opened in 1995 and has operated continuously since then. The office can respond quickly to all of Leon County's project needs. Our Tallahassee production office will conduct all work efforts on engineering design services. This office is fully supported by other engineers and designers in Florida and throughout other offices in the southeast United States. Our corporate resources of over 2,900 employees in 85 offices guarantee that we have the available manpower needed to successfully complete this contract. All work efforts will be supervised and coordinated by our Project Manager, Michael Schwier, P.E., the Principal-In-Charge; Gerald Oshesky, P.E.; and the QA/QC Manager, Dan Selman. Each of these staff members are located in the Tallahassee office of LPA.

Our philosophy toward client service has generated a level of trust between LPA and our clients. This philosophy and manner of conducting business provides Leon County with the comfort of knowing that issues are appropriately handled in a professional manner and that you are kept informed of these issues as they arise. We benefit from a significant amount of repeat business, and many of our clients have rewarded us with multi-year, open-ended agreements.



F. APPROACH TO THE PROJECT

Present in brief, concise terms, a summary level description of the company's approach to accepting and completing any specific projects assigned under this contract.

The approach to the wide range of possible task assignments under the project would depend to a great extent on the nature and complexity of the task. The general approach would remain within a standard framework.

1. We would need to meet with the Leon County Project Manager and other County staff as appropriate to understand the assignment, and establish: expectations, the project scope, budget, a schedule and a list of deliverables. Any permitting and environmental issues would also be identified.
2. We would conduct a field review and initiate office research as appropriate to gain an understanding of the work effort required prior to task negotiations.
3. Establish the staff hours, fee, schedules and deliverables appropriate for the task.
4. Develop the task, following the schedule, providing interim deliverables and/or project progress updates to assure that the task is progressing as planned. Provide recommendations and obtain guidance as necessary to assure project results.
5. Complete tasks, prepare preliminary final deliverables, and responds to any outstanding issues.
6. Incorporate all comments from project team members, clients, and quality control reviews to create a library edition of the project documents that can be used for future training and reference.
7. Finalize and submit project.

For a typical local roadway or rural design project, the following illustrates a representative, systematic approach for drainage design. First, a pre-application meeting with Leon County Growth Management would be requested to identify their issues and concerns with a particular area. This would be done prior to beginning the design. Typically most roadway projects would require both treatment and pre-post rate/volume control. Usual design practice is to comply with the design standards using on-site stormwater facilities or utilization of a regional management facility. Potential attenuation would depend on the existing and constructed impervious areas to establish the amount of impervious area to be attenuated. Special attention would be paid to watersheds where more than one storm drainage facility may be required. Multiple storm drainage facilities may potentially create several problems. The first is locating suitable available sites for these facilities. This is a not an uncommon issue and it would be addressed early in the design phase.

All drainage design and erosion control plans will be performed to Leon County's Land Development Code and Growth Management and Florida Department of Environmental Protection Standards.

Some smaller projects may qualify for a waiver for the County's Stormwater Management Plan. If applicable, LPA would apply for this waiver but still submit plans to FDEP if required.

Typical issues related to roadway reconstruction projects:

- Areas where ditches and swales are non-existent or inadequate. There are instances where pavement runoff is discharged down driveways and across yards. Many of these yards may lack grass or other erosion resistant ground cover. The use of the FDOT modified Type F curb and dropped curb and sidewalk at driveways could effectively address most of these offsite discharge situations. The driveway profiles would be evaluated and designed using the FDOT driveway profile standards utilizing FDOT Standard Index 515, to assure suitable vehicular access would be provided. In some steeply cross-sloped streets, this might dictate the placement of the sidewalk either immediately adjacent to the curb or sidewalk placement on the upslope side of the street.



- Inadequate inlet capacity at intersections. Steep grades on intersection tie-ins have a tendency to create high stormwater velocities. In a case such as this, there is a need to capture runoff prior to stormwater reaching the intersection.
- Current Flooding. When performing a roadway reconstruction project, it is crucial that existing problem areas are identified and remediated. This includes erosion issues, ponding on pavements areas, and yard flooding.

COMMUNITY INVOLVEMENT

The commitment to our clients is a proactive public involvement program that invites public feedback; educates the community, including the media, on the issues being studied; supplies accurate project information; facilitates communication and coordination with residents, businesses, government partners and organizations; creates and distributes project information materials; and works to resolve public inquiries and issues.

The LPA Team is prepared to commit the necessary staff and support to exceed expectations and will represent you with the utmost professionalism and in accordance with established policies and procedures.

For larger projects, Web sites have been developed and maintained with links to local sites, and have experience in coordinating links to project plans and station-specific photos in an effort to supply as much information to the public as possible.

As a result of the participation in the Blueprint 2000 GEC program, the community involvement staff have developed extensive databases and contacts with County, City and State Public Information offices, as well as community activists of all causes. This results in an experienced, comprehensive approach to any of the County's task assignments that may warrant Community Involvement.

POST DESIGN SERVICES

A successful project does not end at the submission of final plans. LPA project managers pride themselves on the constructability of their projects and the limited amount of change orders. The Post design services offered by LPA and the LPA Team have proven to be invaluable cost and time savers to previous clients. Please refer to the "Construction Engineering and Inspection Services" Work Category for a detailed description of services.

BIDDING

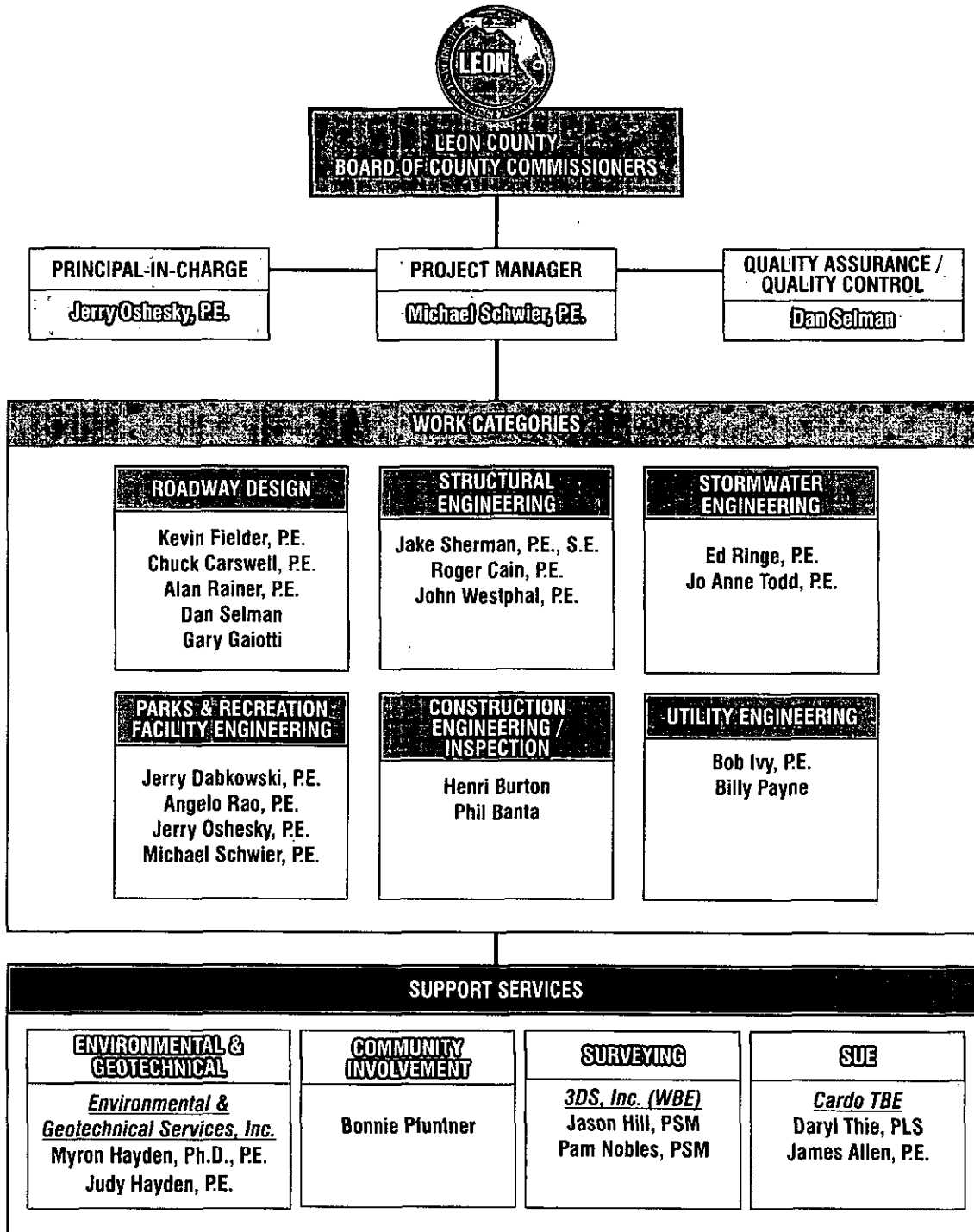
THE LPA GROUP is fully capable of providing bidding phase services to the County. The bid process assistance LPA can provide can be any or all of the following:

- Prepare for and attend the Pre-Bid Conference;
- Prepare addenda as necessary;
- Respond to Requests for Information (RFIs);
- Attend the bid opening;
- Assist the County in tabulating and evaluating bids;
- Assist in the contract award and preparation of construction contract documents; and
- Contact local contractors to make them aware of the Invitation for Bid.



A. ABILITY OF PROFESSIONAL PERSONNEL

1. Provide the total number of professionals in your organization who may be assigned to this category of project and their availability to provide services on relatively short notice for the small to medium size projects that are contemplated in this contract.





Work Category	Personnel	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12
Stormwater Engineering	Ed Ringe, PE.	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%	60%
Stormwater Engineering	Jo Anne Todd, PE.	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Dan Selman	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Kevin Fielder, PE.	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Chuck Carswell, PE.	40%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Alan Rainer, PE.	20%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Gary Gaiotti	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Structural Engineering	Jake Sherman, PE., S.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	Roger Cain, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	John Westphal, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Henri Burton	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Phil Banta	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Jerry Dabkowski, PE.	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Angelo Rao, PE.	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Parks & Recreation	Jerry Oshesky, PE.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Parks & Recreation	Michael Schwier, PE.	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Utility Engineering	Billy Payne	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Utility Engineering	Bob Ivy, PE.	50%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Community Involvement	Bonnie Pfuntner	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%

2. Give brief resume of key persons to be assigned to the project, including but not limited to: 1) Name & title 2) Job assignment for other projects 3) How many years with this firm 4) How many years with other firms 5) Experience a) Types of projects b) Size of projects (dollar value and scope of project) c) What was the specific project involvement? 6) Education 7) Active registration 8) Other experience and qualifications relevant to this project.

The resumes can be found on the following pages.

QUALIFICATIONS:

B.S., Civil Engineering, 1964
West Virginia University

B.S., 1962
Davis & Elkins College, Elkins, West Virginia

REGISTRATION:

Professional Engineer (FL #13580)

PROFESSIONAL EXPERIENCE:

1964 - 2011 (Career)
2003 - 2011 (LPA)

Senior Drainage Engineer
THE LPA GROUP INCORPORATED

Mr. Ringe specializes in roadway and storm drainage design, bridge hydraulics design, stormwater management systems and stormwater master plans. During a career that spans over 45 years, Mr. Ringe's experience includes roadway and drainage design from 3-R multi-lane reconstruction to limited access projects, drainage studies and remediation design, stormwater management design and master planning and post-design construction services enhanced by a background in roadway construction, materials testing, precast and prestress concrete inspection. As a senior drainage engineer and diverse background, Mr. Ringe is able to provide outstanding QC expertise.

Following 30 years of progressively responsible service with the Florida Department of Transportation from June 1964 - June 1994, Mr. Ringe has continued his career in the private sector by providing senior stormwater management, and drainage design and quality assurance services on many FDOT, County and Municipal projects.

LPA project experience:

Mr. Ringe has been responsible for stormwater/hydraulic design, and highway design support on:

- Holmes County Bridge Replacement Project for FDOT District Three – Sr. Drainage Engineer for replacement of one-lane timber bridges with bridge culverts on Corinth Road over Otter Creek and Bonifay-Chipley Road over Camp Branch.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Sr. Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 from Lost Creek Bridge to US 98, in Wakulla County for FDOT District Three – Bridge Hydraulics, Drainage Design and Permitting for four mile widening and realignment from two-lane rural to four-lane urban with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement.
- SR 10 (US 90) Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, in Leon County for FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.
- SR 20 (US 27) from Leon Co. Line to Waukeenah in Jefferson County for FDOT District Three – Milling and resurfacing of a 13 mile segment of a four-lane rural roadway including evaluation and recommendations of all existing drainage facilities for serviceability and function.

AREAS OF EXPERTISE:

- Roadway Design
- Bridge Hydraulics Design
- Stormwater Management Systems

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Agricultural Interdiction Station on I-95 in Nassau County for FDOT District Two – Drainage design and permitting for site expansion of existing facility including interstate ramp widening.
- Agricultural Interdiction Station on I-10 in Escambia County for FDOT District Three.
- Blueprint 2000 (a City of Tallahassee/Leon County joint agency): Ed provided technical development of the Blueprint 2000 stormwater technical specifications and standards and project concept reports. He also provided technical review support on proposals for three segments of the Capital Circle projects totaling eight miles. These projects were for the reconstruction of the two-lane rural truck route around Tallahassee to a six-lane urban curb and gutter roadway, including sidewalks and a meandering trail using both design/bid/build and design/build contract formats. Ed also served as the GEC Project Manager on the first Capital Cascades Trail Master Plan project, and remains the hydrologic technical advisor for the Capital Cascade Trail project. Capital Cascade Trail is a 4+ mile restoration of the St. Augustine Branch from a ditch to a linear trail and improved conveyance system to address stormwater treatment and attenuation facilities to reduce flooding in downtown Tallahassee. Ed is also responsible for stormwater management and drainage design review for the other Blueprint 2000 projects as an on-call staff member of the GEC.
- John James Audubon Bridge, Louisiana (2004 - Present): Ed Ringe acted as an owner's representative in the development of the Hydrology (roadway drainage) technical specifications for the Louisiana Timed Managers (LTM) on the J.J Audubon Bridge project. LTM is the GEC for the Louisiana Department of Transportation and Development (LDOTD). J.J.Audubon Bridge is a 1583' cable-stayed bridge structure over the Mississippi River, over 12,000 linear feet of approach bridge structures and over 12 miles of new roadways, connect US 61 in West Feliciana Parish, LA to LA Route 10 in Pointe Coupee, LA. Approaches to the main bridge, as well as various bridges along the alignment consist of conventional steel and concrete girder structures. Ed subsequently served on the technical evaluation committee for the approach roadway and drainage component and also on the main channel structure scour technical proposal evaluation. The project technical specifications allowed the use of the FDOT scour equations and procedures for complex piers on all bridge structures.

Project experience prior to LPA:

As Senior Stormwater Engineer, Mr. Ringe has been responsible for the stormwater/hydraulic design on numerous major public work projects for FDOT:

- FDOT, Hopkins Creek Design Build District 2 (Design Project Manager)
- FDOT, US 98, Bay County – 3-level phased interchange at Thomas Drive
- FDOT, SR 79, Bay County, 3 projects – 2 to 4-lane reconstruction - 17 miles
- FDOT, SR 202, Duval County – 4 to 6-lane reconstruction - 5 miles on site Stormwater treatment
- FDOT, I-75, Hamilton County – 4 to 6-lane reconstruction - 28 miles
- FDOT, SR 261, Leon County – 2-lane RRR project - 4 miles
- FDOT, SR 16, St. John County – 4-lane reconstruction and bridge replacement

QUALIFICATIONS:

REGISTRATION:

**PROFESSIONAL
EXPERIENCE:**

B.S., Civil Engineering, 1981
University of Alabama

Professional Engineer (FL #38850)

1981 - 2011 (Career)

2005 - 2011 (LPA)

Stormwater Engineer
THE LPA GROUP INCORPORATED

Ms. Todd specializes in the design of stormwater management systems.

LPA project experience includes:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Pensacola Regional Airport Rental Car Facility – Stormwater design and permitting.
- SR 61 from Lost Creek Bridge to US 98 – Wakulla County, Florida, FDOT District Three – 4.1-mile widening and realignment from two-lane rural to four-lane urban and suburban roadway with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement and stormwater design.
- SR 10 (US 90 Drive) from Dempsey Mayo to four-lane at I-10 interchange – Leon County, FDOT District Three – Reconstruction of a three-mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks that also included stormwater design and permitting.
- SR 30 (US 98) over Bayou Chico; Escambia County, Florida – Stormwater design, Bridge Hydraulic Report and permitting for a bridge replacement and roadway improvements.
- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Subconsultant role for the design and permitting of drainage and stormwater facilities on roadway widening from five lanes to seven lanes.
- City of Tallahassee, Tallahassee Regional Airport – SIS Connectors – Performed drainage design services in widening turn lanes, drainage improvements, and access management – 1.35 miles.
- Northwest Florida Regional Airport Rental Car Facility – Stormwater design and permitting.
- Agricultural Interdiction Station on I-95, Nassau County, FDOT District Two – Site expansion of existing facility including interstate ramp widening and stormwater design and permitting.

Project experience prior to joining LPA includes:

- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Project Engineer for the design, permit drainage and stormwater facilities on roadway widening from five lanes to seven lanes.

AREAS OF EXPERTISE:

- *Stormwater Design*
- *Stormwater Master Plans*
- *Permitting*

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Parker Master Plan and Inventory, Parker, Florida – Consultant on this project to inventory all drainage structures and pipes 18" and larger within the city. The project also included establishing watersheds and developing a Stormwater Master Plan for the city, including conceptual plans for budget and priority planning.
- Parker Bayou North Watershed, Parker, Florida – Consultant on the design and permit construction plans to implement improvements on this watershed.
- Martin Lake South Watershed Implementation Project, Parker, Florida – Designed and developed construction plans to address water quality and flooding issues within this watershed and for the stormwater management facilities and conveyance improvements for the PEEP Park project within the watershed.
- Callaway Stormwater Master Plan, Callaway, Florida – Stormwater facility inventory and watershed analysis.
- Stormwater Improvement Projects: Plantation Way; Donna Avenue / Howard Road; Chico Lane / Hugh Thomas Drive; and LaCosta Avenue, Callaway, Florida – Evaluated drainage problem areas which were causing flooding and related pavement problems. Developed design and construction plans to correct the identified problems.
- SR 16, FDOT, St. Johns County – Project involved a four-lane reconstruction with curb and gutter, including a bridge replacement. Project Engineer on the design and permit construction plans for a stormwater treatment system.
- I-75, FDOT, Hamilton County – Project Engineer on drainage redesign and roadway widening from four lanes to six lanes involving 28 miles of Interstate 75.
- SR 261, FDOT, Leon County – Project Engineer on resurfacing, reconstruction, and rehabilitation including drainage design.

PROFESSIONAL EXPERIENCE:

1977 - 2011 (Career)
2002 - 2011 (LPA)

Project Manager
THE LPA GROUP INCORPORATED

Dan has over 33 years of engineering experience in virtually all disciplines of Highway Engineering including GEC Contract Management, Roadway Design, Surveying and Construction Management. Dan provides technical expertise and Quality Assurance and Quality Control for LPA's FDOT projects. Dan has served as Project Manager and Senior Designer on several FDOT widening and milling and resurfacing, reconstruction and realignment projects. The table below lists some of those projects and the grades each one received.

Project / District	Components	Final Grades
US 27 (SR 20)	7 miles of resurfacing	Quality 4.0 (new grading system)
I-75 widening projects D2	30 miles of resurfacing, widening and safety modification	Design 92 Construction 100
SR 16 Lewis Speedway to CSX RR / D2	New alignment 4-lane urban	Design 94 Construction 100
SR 263 at US 27	Intersection improvements/ right turn lane design	Design 95 Construction 97
SR 263 NW resurfacing D3	2.5 miles of resurfacing, safety modifications and stormwater improvements	Design 92 Construction 94

AREAS OF EXPERTISE:

- Project Management
- Program Management
- CEI Services
- Roadway Design
- Surveys

LPA project experience includes:

- Neighborhood Enhancement Program for City of Tallahassee – Project Manager for GEC contract, included consultant project management, plans review, contract administration and preparation of scope documents.
- SR 128 from Lane Ave. to Cassett Ave. in Duval County for FDOT District Two – Quality Assurance/Quality Control Manager for milling and resurfacing of a one mile segment of four-lane urban roadway with curb and gutter and sidewalks.
- Olustee Creek Crossing in Union County for FDOT District Two - Project Engineer for milling and resurfacing of one mile of 2-lane rural highway.
- SR 20 (US 27) in Jefferson County for FDOT District Three – Project Engineer for seven miles of resurfacing of 4-lane divided rural highway.
- Turnbull Creek Bridge Replacement in Volusia County for FDOT District Five – Project Engineer for roadway reconstruction. Duties included maintenance of traffic design, signing and pavement marking design for approaches and temporary bridge.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Quality Assurance/Quality Control Manager for milling and resurfacing of one-mile segment of four-lane urban roadway. Prepared ADA Report for existing sidewalk, including ramp, driveway and cross slope analysis.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 8 (I-10) at SR 95 (US 29) Post Design Services in Escambia County for FDOT District Three – Project Engineer for widening of off-ramp, and frontage road to serve businesses.

Mr. Selman's experience while with other firms includes the following:

- Project Engineer (Design) and Project Manager for all phases of design and management for FDOT and County highway facilities. Duties included design conformance assurance with AASHTO and FDOT criteria, initiated TCP concepts, permitting, providing subconsultant coordination, and directed survey activities. Quality control team leader for all phase reviews.
- Project Engineer CEI - Responsible for contract administration of multiple projects for I-595 system. Duties included coordination between prime contractor and utility owners, weekly progress meetings, coordinated design changes and provided technical details, prepared supplemental agreements and change orders, prepared weekly summaries and monthly estimates, directed survey crews on pre and post construction requirements and performed horizontal and vertical control survey verification.
- CEI Advisory Member - Provided technical assistance for CEI teams statewide. Duties included specification and special provision interpretation, claims review and analysis.
- Assistant Survey Project Manager - Responsible for administration of Districtwide design and right-of-way surveys and miscellaneous County, City and private surveys.
- Project Manager and Senior Project Design Engineer for the following projects:
 - SR-263, Leon County - 4 miles widening, resurfacing, and intersection improvements. Received a final design score of 93 and a final construction score of 94.
 - SR-263 at SR-63, Leon County - Intersection improvement including right turn lane, access management and CAP Plan. Received final design score of 95. Final construction score of 96.
 - FDOT District Three I-10 Welcome Center.
 - I-75 Hamilton County - 30 miles 6 laning including bridge widening and safety modifications. Project was phased into three, ten-mile construction contracts. Received a final design score of 92 and a final construction score of 100 on all three projects.
 - I-75 Hamilton County - 9 miles milling and resurfacing.
 - I-75, Alachua County - Redesign interchange high mast lighting.
 - SR-16, St. Johns County - Realignment, 4 lane rural to 4 lane urban including new bridge structure and intersection improvement. Received a final design score of 94 and final construction score of 100.
 - I-75, Hamilton County - High mast lighting for SR-51 and SR-143 interchanges.
 - Turnpike, St. Lucie County - Bridge and roadway widening with safety improvements.
 - I-75, Hamilton County - Alternate interchange design concepts including additional LA right-of-way requirements, frontage road design and construction estimates.
 - Lee, Hendry and Hardee County - Miscellaneous City and County street new alignment and 3R related projects.
 - A1A, St. Johns County - Reconstruction of 2 lane rural to 4 lane urban section.
 - SR-12, Gadsden County - Widening, resurfacing and safety improvements.
 - District 3 - Miscellaneous design services.

QUALIFICATIONS:

M.S., Civil Engineering (Transportation), 2004
University of Tennessee - Knoxville

B.S., Civil Engineering Technology, 2003
Southern Polytechnic State University

REGISTRATION:

Professional Engineer (FL #70867)

PROFESSIONAL EXPERIENCE:

1998 - 2011 (Career)

2007 - 2011 (LPA)

Design Engineer
THE LPA GROUP INCORPORATED

LPA experience includes:

AREAS OF EXPERTISE:

- **Transportation Design**
- **Horizontal / Vertical Alignments**
- **Concept Layouts**
- **CAD Drafting**

- SR 128 Milling and Resurfacing, Duval County, FL - This project involves the milling and resurfacing of a five-lane roadway for the Florida Department of Transportation. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. Serving as design engineer responsible for pavement design, plans production, ADA coordination, utility coordination, quantities and computation book preparation, specifications package and electronic submittal.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the City of Valdosta, GA. Serving as design engineer responsible for concept development, geometric design, pavement design, plans production, drainage design, quantity calculations and bid package preparation.
- DeFuniak Springs Bypass Feasibility Study, Walton County, FL. This project involves the preparation of a feasibility study for a 10-mile multi-lane bypass around Defuniak Springs. Currently two corridors are under consideration for this bypass. Serving as design engineer responsible for conceptual alignments and public information displays.
- I-75 at SR 31 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing two-lane rural roadway will be widened to a 4-lane urban section with bike lanes, curb and gutter, and sidewalks. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.
- I-75 at SR 133 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing 5-lane urban roadway will be widened to a 6-lane urban section with bike lanes with the addition of bike lanes to the mainline. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- I-95 at SR 251, McIntosh County, GA. This project for the Georgia Department of Transportation involves improvements to the existing interchange including a replacement bridge, reconstructed mainline with asphalt and concrete pavement, and reconstructed concrete ramps with additional turn lanes to improve the overall level of service for the interchange. Serving as design engineer responsible for horizontal/vertical alignments, plan preparation/coordination, maintenance of traffic, and right of way plans.

Work experience prior to joining LPA:

- August 2005 to 2007 – University of North Florida, Jacksonville, Florida – Adjunct Faculty, College of Computing, Engineering and Construction.
- January 2005 to 2007 – Post, Buckley, Schuh and Jernigan, Jacksonville, Florida – Engineer II, Transportation Design Group
 - North Thomas / South Thomas Drive, Panama City Beach Florida. This project for the Community Redevelopment Agency (CRA) involved the widening and realignment of an existing two-lane roadway corridor to a four-lane divided urban section including a dedicated Tram lane. Served as design engineer responsible for horizontal/vertical alignments, maintenance of traffic and utility coordination.
 - Capital Circle Southeast, Tallahassee, Florida. This design-build project for the City of Tallahassee/Leon County Blueprint 2000 agency involved the realignment and reconstruction of a portion of the project bypass around Tallahassee. Served as design engineer responsible for maintenance of traffic plans which include phasing, traffic shifts, and temporary signals.
 - Churchwell Drive, Panama City Beach, Florida. The project for the Community Redevelopment Agency (CRA) involved the realignment and widening of an existing two-lane roadway and bridge. Efforts included coordinating the roadway design portion with an existing set of designed permitted bridge plans. Served as design engineer responsible for horizontal vertical alignments, maintenance of traffic, quantities and construction specifications.
- August 2003 to December 2004 – Southeastern Transportation Research Center, Knoxville, Tennessee – Research Assistant. Research involved updating TDOT planning software (EVE) with social and economic factors to calculate Benefit/Cost ratios for transportation projects.
- August 2002 to August 2003 – Arcadis, Atlanta, Georgia – CAD Technician. CAD drafting and quantity calculations for transportation projects including rural/urban highways, interstates and railroad grade crossing.
- February 1998 to August 2000 and June 2002 to August 2002 – Houston County Public Works Department, Perry, Georgia – Engineering Technician/Field Engineer. CAD drafting, basic roadway/intersection design including geometrics, drainage, signing and marking, quantity calculations, small crew supervision, storm drain system inspections and roadway base/sub-base proof tests.

QUALIFICATIONS:

Bachelor of Civil Engineering, March 1981
Georgia Institute of Technology, Atlanta, GA

REGISTRATION:

Professional Engineer (FL # 56119)

**PROFESSIONAL
EXPERIENCE:**

1981 - 2011 (Career)
2010 - 2011 (LPA)

**Roadway Engineer
THE LPA GROUP INCORPORATED**

Mr. Carswell, P.E. has over 30 years of construction, design and project management experience in the areas of bridge and roadway construction, and transportation engineering. He has experience in horizontal and vertical geometry design, intersection design, pavement design, quantities computation, construction cost estimates, maintenance of traffic, specifications and bid documents, and utility coordination.

Project experience prior to joining LPA includes:

AREAS OF EXPERTISE:

- Program and Project Management
- Construction Management
- Cost Estimates
- Utility Coordination

- SR 69 – FDOT District 3 – Jackson County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for eight miles of SR 69 for the Calhoun County line to north of SR 10 (US 90). The project consists of milling and resurfacing the existing two-lane rural roadway, addition of turn lanes and a signal at the SR 10 intersection, drainage conveyance improvements in the Town of Grand Ridge, and utility coordination and adjustment plans. Construction is anticipated to be completed in 2011.
- Lake Emma Road – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Lake Emma Road from a rural two-lane to urban four-lane section from Longwood Hills Road to Sand Pond Boulevard in a heavily developed residential area. The project corridor runs through rolling terrain and the *vertical alignment design* was a challenge to provide sufficient vertical curve lengths for the design speed while keeping construction within the 100-foot right-of-way and limiting impacts to existing subdivision walls and adjacent development and design of gravity walls. The project included four signalized intersections, numerous driveway connections, utility coordination, adjustment plans, new utility plans for water and sewer, and seven stormwater retention ponds and drainage conveyance, as well as lift station access pull off lane and associated retaining wall. Construction is anticipated to be completed in 2011.
- SR 742 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for .5 miles of SR 742 (Creighton Road) at the intersection of Keating Road in Pensacola. The project consisted of the milling, resurfacing and widening of SR 742 from a two-lane rural section to a two-lane urban section in a residential corridor and included dedicated left turn lanes, addition of a traffic signal at Keating Road, driveway connections, drainage conveyance system, utility coordination and adjustments. Construction was completed in 2010.
- State Road 292 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications of .3 miles of SR 292 at the intersection of River Road in Perdido Key. The

**PROFESSIONAL
EXPERIENCE**
(Continued):

project consisted of the milling, resurfacing and widening of SR 292 from a two-lane rural section to a three-lane rural section in an environmentally sensitive corridor and included dedicated left turn lanes at River Road, driveway connections, utility coordination and adjustment. The project corridor was within the habitat for the Perdido Key beach mouse and had restrictions for reducing limits of construction and staging areas in order to comply with FWS mandates. Construction was completed in 2009.

- County Road 15 – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.9 miles of County Road 15 from SR 46 to north of Orange Boulevard. Improvements consisted of reconstructing the two-lane rural roadway to a five-lane urban facility with a continuous left turn lane. The project is located in a heavily developed commercial and residential area with numerous intersecting streets and driveway connections. The project included five stormwater management ponds and drainage conveyance systems, two signalized intersections, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2009.
- Conway Road – City of Orlando – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Conway Road from SR 528 (Beachline Expressway) to Hoffner Road. The project reconstructed the rural two-lane roadway to a four-lane divided urban section. The roadway is located in a heavy residential area and included side street and driveway connections, an area of unsuitable soils that was partially excavated and utilized a surcharge program for soils consolidation, three stormwater management ponds and drainage conveyance, three signalized intersections utility coordination, adjustment plans, and new utility plans for water and sewer. Construction is anticipated to be completed in 2011.
- SR 44 – FDOT District 5 – Sumter County, FL – Project Engineer for roadway design and preparation of final construction plans for the reconstruction of approximately 5 miles of SR 44 from east of US 301 to County Road 468. The project consisted of constructing a new parallel two-lane rural roadway and milling, resurfacing and reconstruction portions of the existing rural two-lane roadway, as well as analysis of the vertical geometry and superelevation of the existing roadway to determine the areas of vertical curvature and superelevation that required reconstruction in order to meet current design criteria. In addition, the project had 10 stormwater management ponds and drainage conveyance, and utility coordination and adjustment plans. Construction was completed in 2005.
- Dodd Road, Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.7 miles of Dodd Road from Howell Branch Road to Red Bug Lake Road from a rural two-lane roadway to a four-lane divided urban roadway. The project included driveway and side street connections, a two span bridge over Howell Creek, three stormwater management ponds and drainage conveyance, one signalized intersection, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2005.

American Society of Civil Engineers

**PROFESSIONAL
MEMBERSHIPS:**

QUALIFICATIONS:

B.S., Civil Engineering, 1985
Auburn University

REGISTRATIONS:

Professional Engineer (FL #45708, GA)

**PROFESSIONAL
EXPERIENCE:**

1985 - 2011 (Career)
2007 - 2011 (LPA)

Senior Transportation Manager
THE LPA GROUP INCORPORATED

Mr. Rainer has 26 years of experience in civil engineering and transportation as a project engineer and project manager. He has performed and managed a broad range of highway design tasks, including concept development; horizontal and vertical alignment design; drainage design; signing and marking plans; right-of-way calculations; quantity takeoffs; utility coordination; maintenance of traffic plans; and cost estimating. Mr. Rainer is an experienced project manager and is thoroughly familiar with the Florida Department of Transportation (FDOT) and Georgia Department of Transportation (GDOT) plan development processes, design standards, and specifications. While he has extensive experience managing projects for state DOT's, the vast majority of Mr. Rainer's experience comes from managing multiple projects for several repeat local government clients as a result of the personal service he brings to each project. Mr. Rainer's project experience includes:

AREAS OF EXPERTISE:

- Project Management
- Roadway Design
- MOT Design
- Design/Build
- Quality Assurance

- Capital Circle, Leon County, Florida. Prepared maintenance of traffic plans for three-mile section of this design-build contract. Project involves widening existing two-lane rural roadway to four-lane urban section with raised median.
- I-95 SB Agricultural Interdiction Station, Duval County, FL – Mr. Rainer served as EOR representative during construction phase of this project that had been designed by LPA for the Florida Department of Transportation District Two. Mr. Rainer coordinated all submittal reviews/approvals, attended bi-weekly construction progress meetings, answered all RFI's, oversaw design changes, initiated design changes to solve issues that arose during construction. This project is 95% constructed.
- SR 128 Milling and Resurfacing, Duval County, FL - Mr. Rainer served as PM and EOR for the milling and resurfacing of a 5-lane roadway for the Florida Department of Transportation District Two. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. The project was designed on time and under budget and construction is about to begin.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the city of Valdosta, GA. Serving as project manager responsible for overall client contact, scheduling, invoicing, concept development and overall quality control for the design of several intersection improvements and widening projects. Overseeing staff in Jacksonville, FL and Atlanta, GA.
- SR 537, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.027 mile long milling and resurfacing project for a five-lane urban roadway. The

**PROFESSIONAL
EXPERIENCE
(Continued):**

- scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates.
- SR 434, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.7 mile long milling and resurfacing project for a four-lane suburban (curb and gutter on outside, grass shoulders with depressed median) roadway. The scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates. *fn fáfn* Alf Coleman Road, Panama City Beach Community Redevelopment Agency (CRA), Panama City Beach, FL - Project engineer for approximate one-mile widening from rural two-lane to four-lane urban section with bike lanes and sidewalks. Project includes intersection improvements at Front Beach, Middle Beach and Back Beach Roads. Project also includes the design of stormwater treatment facilities. Project also involved extensive communication and coordination with affected property owners of which Mr. Rainer served as lead engineer explaining reasoning behind design to property owners.
 - SR 10 (Mahan Drive) Reconstruction, Florida Department of Transportation, Tallahassee, Florida. Senior Project Engineer responsible for various quality assurance reviews.
 - Hernando Dive, Putnam County Department of Public Works, Palatka, Florida. Project engineer for the design of a 6,200-linear-foot roadway improvement and paving project. Performed horizontal and vertical geometry calculations, prepared all stormwater management district permit applications, prepared final bid documents, and addressed design issues during construction.
 - Waldo Road (SR 24), FDOT District Three, Alachua County, Florida. Project engineer for approximate 4.5-mile resurfacing project. Prepared typical section package, traffic control typical sections, performed quality control for 30 percent roadway plans submittal, and provided peer review for final specifications submittal.
 - Palmetto Expressway (SR 826) at NW 103rd Street, FDOT, Miami, Florida. Performed drainage design and prepared signing and marking and maintenance of traffic plans for preliminary and final design for the widening of 6,200 feet of Palmetto Expressway interchange over NW 103rd Street. Project also involved significant improvements to various surface streets in the vicinity.
 - I-275, FDOT, Tampa, Florida. Performed quality assurance review for the widening of I-275 from Tampa Bay to just past Dale Mabry Boulevard near Tampa International Airport. Project included several new interchanges with extensive frontage roads, collector distributor roads, and on/off ramps. Review included checking alignments and profiles for conformance to FDOT standards, geometric correctness, and overall project conformance to predicted traffic.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Highway Engineers (ASHE)
CHI Epsilon (Civil Engineering Honor Society)
National Society of Professional Engineers (NSPE)
Florida Engineering Society (FES)

QUALIFICATIONS:

Architectural Drafting and Design Technical Degree
Phoenix Institute of Technology

Continuing education in Civil Engineering
Miami Dade Community College

**PROFESSIONAL
EXPERIENCE:**

1985 - 2011 (Career)

2005 - 2011 (LPA)

Senior Transportation Designer
THE LPA GROUP INCORPORATED

Mr. Gaiotti is a Senior Transportation Designer with over 26 years of experience in engineering and CADD production.

LPA project experience includes:

- I-95 Interdiction Station – Nassau County, Florida – FDOT District Two – Design and detailing of Interdiction Station, including pond, drainage, Roadway Auxiliary Ramps, lighting, and signing and pavement markings.
- SR 128 Milling and Resurfacing Project, Duval County Florida – Milling and Resurfacing of existing five-lane urban section, which includes an analysis of existing conditions for ADA compliance. Design and Detailing of proposed plans.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Senior Designer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 over Lost Creek Bridge, Wakulla County, Florida – Widening and reconfiguration of existing bridge to include two lanes of traffic, bicycle lane, and sidewalk in each direction. Design and detailing of the 270-foot-long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36-inch drilled shafts.
- Bayou Chico Bridge Replacement, Escambia County, Florida – Design of the 200-foot, three-span dual bridges carrying SR 30 (Navy Boulevard) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
- Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, Florida, FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

Work experience prior to LPA:

- 2004 to 2005 – Marlin Engineering Inc. – Civil Site Design
 - City of Tallahassee Concurrency Package for Country Inn and Suites Site – Stormwater design using ICPR 3; site design and site plan approval package; environmental permitting; and project management.
 - Florida Keys Overseas Heritage Trail – Bike path design and layout; design variance package; and quantities.
 - N.W. 25th Street – Electronic delivery package for FDOT and electronic plans submittal to FDOT.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage Design**
- **Traffic Design and Plans**
- **Earthwork Quantities**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- 2000 to 2004 – Baskerville-Donovan Inc. – Civil Highway and Lighting Design
 - Lighting Design Projects for Alabama DOT – Horizontal base plans for roadway lighting including 120' high mast lighting design; vertical cross sections; lighting details and design criteria; utility coordination; maintenance of traffic design; CES quantity calculations; construction cost estimate; computation book; and plan review and QA/QC.
 - Production Design for FDOT Projects 2000-2004 – SR 79 and Thomas Drive – Horizontal base plans; vertical cross sections; utility coordination; communications design and plans; maintenance of traffic design; cross sections - earthwork quantities; CES quantity calculations; construction cost estimate; computation book; plan review and QA/QC; and structural plans layout and quantities; electronic delivery package for FDOT; and electronic plans submittal to FDOT.
 - Production Design for FDOT Projects 2000-2004 – Connor Boulevard and East Park Avenue, City of Tallahassee – Horizontal and vertical base plans; drainage structure plans; gravity wall plans; retaining wall plans; vertical alignment design; and cross sections – earthwork quantities.
- 1995 to 2000 – Vanasse Hangen Brustlin Inc. – CADD Design and Project Supervision
 - I-95/I-595 ITS projects: CMS Sign Project; Project Utilities Coordinator; Plans Production Coordinator; Survey Coordinator; and CADD Designer for ITS Layout.
 - McArthur Causeway Bridge – CADD Designer – Structural plans layout for retrofit: bridge railing and median barrier; and field inspection.
 - Traffic Design – Traffic signal design, Sunbeam Properties; signal intersection layout; CADD plan production; signing and pavement markings; utility coordination; signal quantity calculations; construction cost estimate; traffic data collection; turning movements counts; queue analysis counts; time delay studies; collision diagrams; condition diagrams; and alternatives and improvements.
- 1990 to 1995 – Florida Department of Transportation, District 6, Miami Florida – Internal Design
 - Engineer 1 – Design and detailing of SR 112 Toll Plaza Parking facility.
 - SR A1A Collins Avenue design and detailing
 - SR 5 (US-1) Design and detailing. Signing and pavement markings, lighting, signals, and roadway plans preparation.

QUALIFICATIONS:

M.S., Civil Engineering, 2003
North Carolina State University
Structures and Mechanics Concentration

B.S., Construction Engineering and Management, 2001
North Carolina State University

REGISTRATION:

Professional Engineer (FL #67269, NC)

CERTIFICATION:

NBIS Certified Bridge Inspector

PROFESSIONAL EXPERIENCE:

2001 - 2011 (Career)

2005 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

Mr. Sherman's ten years of structural design experience includes all aspects of bridge design, having worked on multiple projects in Florida and throughout the Carolinas. He has experience with conventional design, load rating, rehabilitation, design-build, and construction inspection, as well as building structures and roadway design. Typical duties include:

AREAS OF EXPERTISE:

- **Structural Design**
- **Roadway Design**

- Bayou Chico Bridge Replacement, Escambia County, Florida, FDOT District 3 – Design of 200' three-span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. Permitting included a Coast Guard Permit for the navigation channel.
- Kemp Channel Pedestrian Bridge, Monroe County, Florida – Performed a cursory inspection to identify deficiencies of concrete arch bridges that were once part of Flagler Railroad located in the lower Florida Keys. The total bridge length at Kemp Channel is 992' feet long consisting of 32 equal arch spans. Proposed rehabilitation work includes hand rail replacement, expansion joint repair, and the addition of bridge spans where arch sections are missing such that the bridge can be reopened for pedestrian use. These bridges are to be used in part of a planned multi-use trail extending from Key Largo to Key West.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures.
- SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida – The existing condition of an eight span sonovoid structure on this milling and resurfacing project is evaluated. Barrier rail retrofits and joint replacement deemed necessary. Load rating performed.
- Long Key Construction Administration, Monroe County, Florida – Provided construction administration services during the construction of cantilevered fishing platforms off of several historic Flagler Railroad concrete arch bridges. Duties include pay request approval, construction inspection, and shop drawing review.

PROFESSIONAL EXPERIENCE
(Continued):

- PBC DOA Expansion Joint Rehabilitation, West Palm, Florida – Provided construction inspection services during the replacement of expansion joints on the bridge approach spans of the departure terminal at Palm Beach International Airport.
- Kentucky Utilities, Ghent, Kentucky – Served as a structural engineer for the Fluor Power Group on a temporary assignment. Task was to evaluate existing structural conditions in the renovation of a 30-year old coal power plant for the installation of a SCR system to reduce NO_x emissions.
- MLK (U-3412), Union County, North Carolina – Served as a designer during the proposal stage on this winning design-build effort. Three prestressed concrete beam bridges and two culverts are part of this project.
- US 601 (R-2616), Union County, North Carolina – Served as a designer for dual single-span steel bridges each 145' in length., two precast arch culverts and two precast box culverts on this design-build project.
- Bridge on CSX Railway over NC-55 (U-3308), Durham County, North Carolina – Served as a designer of a four-span steel railway bridge.
- Rea Road over Rea Branch, Mecklenburg County, North Carolina – Serving as a designer for a two-span prestressed concrete girder bridge 130' in total length.
- I-85 Widening (I-2511 CB) Rowan County, North Carolina – Assisted in the roadway design during the construction phase of this design-build project.
- Bridge Group 46 – Assisted in the roadway design of small bridge relocation projects in multiple locations in North Carolina.

Project experience prior to LPA includes:

- US 74 over Monroe – Ansonville Road, (R-2559C) Union County, North Carolina – Served as a designer for dual single-span steel bridges each 200' in length.
- Northlake Boulevard over I-485, (R-2248D) Mecklenburg County, North Carolina – Served as a designer for a two-span steel bridge 270' in total length.
- US 70 Bypass (R-2552AA and R-2552C) Wake-Johnson County, North Carolina – Assisted in designing four bridge structures. R-2552AA consisted of dual six-span bridges using 63" AASHTO modified bulb tee girders each 600' in total length. R-2552C consisted of dual six-span bridges using AASHTO type IV girders each 475' in total length.
- NCDOT Bridge Maintenance Unit Contract – Served as a designer for 15-20 cored slab bridges in numerous locations around the State of North Carolina.
- SC 38 / US 501, Dillon and Marion Counties, South Carolina – Served as a designer on a two-span fly over bridge.

COMPUTER SKILLS:

Matlab, SAP 2000, STAAD, RISA 3-D, RC Pier, Conspan LA, Consys, LPile, Merlin Dash, Simon, MicroStation, Geopak, MathCad, Solid Edge

QUALIFICATIONS:

B.S., Civil Engineering, 2001
Florida State University

REGISTRATION:

Professional Engineer (FL #65026)

CERTIFICATION:

FDOT Long Range Estimating
FDOT Specifications Package Preparation

PROFESSIONAL EXPERIENCE:

1999 - 2011 (Career)
2010 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

AREAS OF EXPERTISE:

- **Bridge Design**
- **Load Rating**
- **Bridge Structural Detailing**
- **Foundation Design**

Mr. Cain's nine years of structural design experience includes all aspects of bridge and roadway structures design including design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. His experience with commercially available software that is commonly used for design includes Microstation/Geopak, FDOT Structures Software, FB-Multiplier (B.S.I.), Mathcad, Pilebuck, LEAP Conspan, RC-Pier and L-Pile. He has load rated over 40 bridges and has performed over 100 quality control reviews of load ratings during his career. He has worked on projects in Florida, Alabama, South Carolina and Missouri. He has prepared load ratings using both conventional and innovative techniques using both Load and Resistance Factor Rating (LRFR) and Load Factor Rating (LFR) methodologies. His experience with commercially available software that is commonly used for load rating includes Virtis, BARS, SALOD, and Conspan.

Representative projects:

- MoDOT Safe & Sound Improvement Program, Statewide, Missouri, MoDOT – Plans preparation for over 30 structures on this landmark design build project in the State of Missouri. The Safe and Sound bridge replacement program consisted of a total of 554 bridges all part of one design build contract. Typical duties include superstructure and substructure design, load rating and discipline coordination. Bridge superstructures consist predominantly of prestressed voided slab sections and box beams.**
- Western Wake Freeway, Wake County, North Carolina, North Carolina Turnpike Authority – Responsible for quality control of the design for two of the four bridges on this Design-Build project. Duties include QC for superstructure and substructure design. Bridge superstructures consist of cast in place concrete deck placed on prestressed concrete girders. Bridge substructure foundations consist of drilled shafts, steel H piles and spread footings.**

Work experience prior to joining LPA:

- E.C. Driver & Associates – Tallahassee, Florida – Structures Engineer – August 2001 - August 2006 (Engineer Intern) – August 2006 - October 2009 (Professional Engineer)**
 - **Responsibilities included design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. Responsibilities also included ASR, LFR, and LRFR load ratings of bridges, and project cost estimating including use of the FDOT LRE Program. Post design responsibilities included review of shop drawings, specialty engineer calculations, and response to various RFI requests.**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Florida Department of Transportation – Central Office - Estimates Office – March 1999 - August 2001
 - Responsibilities included maintaining the Long Range Estimating (LRE) program and LRE student training database. Maintained and edited the Basis of Estimates Handbook. Compiled bridge pay item data for bridge cost estimating that is used in the LRE program.

Project experience prior to joining LPA:

- J.T. Butler Interchange, Duval County, Florida, FDOT District Two. Curved Steel Box Girder Bridges. Detailed plans for internal bracing of curved steel box girders. Assisted in design for temporary bracing and pot bearings. Assisted in design of overhead span and cantilever sign structures. Post design involved review of shop drawings for sign structures and internal bracing of box girders. The project consisted of 6 bridges with dual curved trapezoidal steel box girders. The bridges were 2, 3 and 4 span continuous units. Span lengths ranged from 139'-0" to 282'-0".
- S.R. 212 (U.S. 90/Beach Boulevard) over ICWW, Duval County, Florida, FDOT District Two & JTA. Prestressed Beam Bridges. Assisted in design of superstructure, substructure, MSE walls and temporary critical anchored sheetpile walls. Designed standard/special design mast arms and temporary strain pole systems. Prepared plan sheets, finish grade elevations, calculated bridge quantities and performed LFD load rating on superstructure. The scope of the project was to replace the existing bascule bridges with high level bridges. The replacement bridges are 2100'-0" and 2298'-0" with 15 spans 17 spans respectively. Both bridges include 138'-0" and 148'-0" simple spans utilizing 78" Florida Bulb-T Beams. Post design services included reviews for structural RFI's and shop drawings.
- I-75 Southbound Realignment Over Salt Creek and Bridge Widening of I-75 Northbound Over Salt Creek and I-75 Over Fox Creek, Sarasota County, Florida, FDOT District One. Engineer of Record for new bridge and bridge widening over Salt Creek. Designed superstructure components and assisted in substructure design for Fox Creek bridge widenings. Detailed bridge components and prepared quantities. The new bridge on this project is a 4-span AASHTO girder bridge with Type III and Type IV girders. The widenings are single phase construction without deck replacements on the existing bridges.
- S.R. 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Engineer of Record for structures contract plans and structural design. Designed and detailed ecopassage that included approximately two miles of vinyl sheetpile wall with colored concrete bulkhead, stage construction box culverts fitted with DBI tops, concrete retaining endwalls and modified gravity wall.

COMPUTER SKILLS:

Microstation/Geopak
FDOT Structures Software
FB-Multiplier (B.S.I.)
LEAP Bridge V8i
L-Pile
SAP 2000
AASHTO Virts
AASHTO BARS
Pilebuck Sheetpile Wall 911
Mathcad

QUALIFICATIONS:

B.S., Civil Engineering, 2005
Florida State University

REGISTRATION:

Professional Engineer (FL #70728)

PROFESSIONAL EXPERIENCE:

2004 - 2011 (Career)
August 2009 - 2011 (LPA)

Bridge Design Engineer
THE LPA GROUP INCORPORATED

Mr. Westphal's structural design experience includes all aspects of bridge design. He has worked on projects in Florida, Missouri and North Carolina. He has performed designs using AASHTO Standard Specifications for Highway Bridges as well as AASHTO LRFD Bridge Design Specifications. He has prepared load ratings using Load and Resistance Factor Rating (LRFR) methodology.

AREAS OF EXPERTISE:

- *Bridge Design*
- *Roadway Design*
- *Stormwater Design*

Project experience with THE LPA GROUP includes:

- CR 245 over Olustee Creek Bridge load rating for the Florida Department of Transportation, District 2 in Columbia County. The proposed bridge consists of an overall 350-foot, seven-span AASHTO Type-II girder bridge.
- Western Wake Freeway, Bridge Number 15 over US 64 bridge design and load rating. The proposed bridge consists of a 209-foot long, two-span AASHTO type-IV girder bridge.
- Western Wake Freeway, Bridge Number 16 over Western Wake Freeway bridge design and load rating. The proposed bridge consists of a 215-foot long, two-span AASHTO type-IV girder bridge.
- Corinth Road over Otter Creek box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a four-barrel, 40 foot long culvert.
- Bonifay-ChIPLEY Road over Camp Branch box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a three-barrel, 27 foot long culvert.
- Missouri Department of Transportation's Safe and Sound Bridge Improvement Project. Assisted in the creation of design standards to be used in the redesign and replacement of a majority of 554 structurally deficient bridges throughout the state. In addition, created plans for various phases of bridge design and construction. Responsible for designing non-standard structures, including spread footing foundations and reinforced concrete flat slab superstructures.
- Administer shop drawing reviews as necessary and furnish designs of miscellaneous structures such as retaining walls, pedestrian boardwalks and mast arms.

Previous experience includes:

- October 2006 to July 2009 – Florida Department of Transportation, Tallahassee, Florida – Engineering Intern

**PROFESSIONAL
EXPERIENCE
(Continued):**

- FDOT LRFD Prestressed Beam Program v.3.1 with Load Rating portion. The program was written in accordance with the FDOT Structures Design Guidelines and the Manual for Condition Evaluation Load and Resistance Factor Rating (LRFR) of Highway Bridges.
- Served as a Structural Designer, responsible for maintaining engineering programs on the FDOT Structures Design Office website.
- Ensured software programs are in compliance with changes/updates to the latest edition of the AASHTO LRFD Bridge Design Specifications or other relevant design specifications.
- Communicated with FDOT consultants and FDOT District personnel regarding technical feedback and/or difficulties with software.
- Assisted in the design of bridges and retaining walls.
- Aided in the calculation of quantities for projects.
- Reviewed Shop Drawings.
- Assisted in reviewing major proposed bridges in the State of Florida.
- May 2005 to October 2006 – Baskerville-Donovan, Inc., Tallahassee, Florida – Engineering Intern
 - Served as a Drainage Designer, modeling and designing stormwater pipe networks as well as creating technical reports such as stormwater needs assessments for small communities.
 - Served as a Roadway Designer, assisting with roadway design and computation books.
 - Aided in the creation of construction plans extensively through drafting, for both roadway and drainage projects.
 - Created several project cost estimates for both roadway and drainage projects.
- June 2004 to August 2004 – City of Tallahassee, Tallahassee, Florida – Engineering Intern
 - Assessed the condition of city roads through extensive field work, as part of a city-wide effort aimed at infrastructure improvements.

COMPUTER SKILLS:

Software:
MathCAD, FDOT Structural Engineering Programs (including LRFD Prestressed Beam Program), RISA, LEAP Bridge, RC-Pier, L-Pile, SAP 2000, Microstation, AutoCAD and Microsoft Office.

QUALIFICATIONS:

Course Work, 1967 - 1968
Texas A&M University, College Station, Texas
Course Work, 1968 - 1969
Charleston Southern University, Charleston, SC
Graduated 1974
South Carolina Law Enforcement Academy, SC

U.S. Air Force, Aerospace Defense Command, E-5, 1969 - 1973
Flight Simulator Technician, Vietnam, Honorable Discharge
Chanute Technical Training Center, Rantoul, IL

CERTIFICATIONS:

Certificate in Electronics, Hydraulics, Pneumatics and Aerodynamics
Pilot's License, Single and Multi-Engine Land
Certified Open Water Diver

PROFESSIONAL EXPERIENCE:

1973 - 2011 (Career)
2009 - 2011 (LPA)

Construction Manager
THE LPA GROUP INCORPORATED

Mr. Burton Jr. is a detail-oriented, analytical and highly motivated professional offering 25 years success in Civil Engineering, Vertical Construction, Transportation, FAA, Federal and State-funded and environmentally sensitive projects. Consistently delivers complex, large-scale projects on time and within budget. He is an accomplished turnaround specialist with exceptional project turnaround skills and recovery strategies. Replaces existing construction managers, assumes decision-making reins of troubled projects and guides them through setbacks and into success. He is an adaptable manager who is well-versed in contract negotiations, project estimating, resolving impending design problems, and building and code regulations. He is a highly skilled communicator with the proven ability to build consensus and liaise with parties involved to ensure all the elements of a project coordinate and dovetail with organizational objectives. Mr. Burton is a dependable team player able to interact with and work well with laborers, tradesmen, architects, engineers and owners.

Project experience since joining LPA includes:

- Apron A Construction, Palm Beach International Airport – Construction Manager for a new 176,000 square foot concrete apron and realignment of existing access roads, including demolition items, grading, drainage, paving, chain link fence, automated gates, associated electrical work and stormwater work.

Project experience prior to joining LPA includes:

- General Access Road Rehabilitation, Tallahassee Regional Airport – Resident Personal Representative and inspector for the demolition and reconstruction of the General Aviation Access Road at Tallahassee Regional Airport. Project included extensive milling and P-401 paving operations, grading, sodding, grassing, automated gates, and redesign and construction of 800 feet of stormwater. Project responsibility also included field redesign of Capital Circle/Access Road tie-in and Fuel Farm Parking Lot.

AREAS OF EXPERTISE:

- **Construction Planning/Scheduling**
- **Estimating and Job Cost**
- **Budget Management and Cost Control**
- **Contract Negotiation**

PROFESSIONAL EXPERIENCE
(Continued):

- Terminal Apron Stormwater, Tallahassee Regional Airport – Resident Personal Representative and inspector for the construction of stormwater ponds surrounding the main terminal apron. Project included excavation, grading, geogrid, sodding, grassing, stormwater structures.
- Runway Improvements, San Salvador International Airport, Bahamas – Consultant and inspector for P-401 paving operations and extension of runway. Project involved erection of onsite asphalt plant and barging materials and supplies from the U.S. Project included stormwater, excavation, subgrade, base rock, paving, grading, electrical lighting, and painted markings and striping.

Work history prior to joining LPA includes:

- Florida Department of Environmental Protection, Tallahassee, FL – September 2005 to January 2009 – Construction Project Consultant (CPC) and Contract Manager, Office of Coastal and Aquatic Managed Areas (CAMA). Some responsibilities included:
 - Reporting directly to the Director of CAMA, the Budget Director and the Deputy Secretary of the Florida Department of Environmental Protection.
 - Accountable for the execution and delivery of all civil construction activities for CAMA; Coastal & Aquatic Managed Areas comprising 4.8 million acres
 - Initiating constant communication with three Regional Managers and 30 Aquatic Preserve Managers to ensure core expectations of the project were met, including the timely conclusion of the projects and completion of all applicable supporting documentations like schedules, cost issues and tracking.

PROFESSIONAL MEMBERSHIPS:

Capital City Chapter of United States Green Building Council
Speaker of the House's Citizen's Committee, 2002 - 2003
President's Economic Advisory Committee, 2002

COMPUTER SKILLS:

MS Office Suite
MS Project
CAD
ArcView
AIA
GIS
FLAIR

QUALIFICATIONS:

Indiana Highway Technician Course
Purdue University Extension

Continuing Education Courses
Nashville State Technical Institute

Level II NICET
Construction Materials Technician, Concrete

1959 - 2011 (Career)

1991 - 2011 (LPA)

Resident Project Inspector
THE LPA GROUP INCORPORATED

PROFESSIONAL EXPERIENCE:

Mr. Banta has a wide variety of experience related to the development, design, and construction of utility systems and drainage projects. His experience includes surveying, construction management, drafting, mapping, the conduct of inflow and infiltration analyses, the design and maintenance of water and sewer systems, roadway construction, water system design, and pipeline design.

Typical projects while with THE LPA GROUP include the following:

- Resident Project Inspector for the FDOT Capital Circle S.I.S. Connectors Project SR 263. Project is located at the entrance of the Tallahassee Regional Airport in Tallahassee, Florida. This project included grading, drainage, paving and marking. MOT certification was required and obtained prior to construction.
- Inspector for Runway/Taxiway rejuvenation and Crack Sealing Project at the Northwest Alabama Regional Airport located in Muscle Shoals, Alabama. Project also included rebuilding all of the runway lighting system, including the airport Beacon and partial electrical vault equipment replacement. Project also included restriping of the runway/taxiway and its rejuvenated areas.
- Inspector for the New Corporate Administration Building, Space Coast Regional Airport at Titusville, Florida. In addition to the new building, this project includes drainage, grading, paving and landscaping along with utility relocation and additions.
- Inspector for the Remote Overnight Apron at the North West Florida Regional Airport which included asphalt and concrete placement as well as lighting and drainage.
- Inspector for Phases 3, 4 and 5 Perimeter Service Road Project at Daytona Beach Regional Airport in Daytona Beach, Florida. Project includes paving, grading, drainage, fencing, and FAA cable relocation. This project required a lot of owner and tenant involvement.
- Resident Project Representative for the Central Apron Project at Tallahassee Regional Airport in Tallahassee, Florida. Project included paving, grading and drainage as well as aircraft tie-down area with adjoining mast lighting.
- Co-Project Representative for the milling and repaving of the main parallel taxiways and connectors at the Tallahassee Regional Airport in Tallahassee, Florida. Project included milling for the correcting cross drainage and new asphalt surface including all striping.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage**
- **Utilities**
- **Grading**
- **Sewer Systems**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Resident Project Representative for the installation of two (2) new Passenger Loading Bridges and renovation of six (6) Existing Tunnel structural upgrades as well as electrical, air conditioners, and redecorating needs. This upgrades all of the loading bridges at the Tallahassee Regional Airport in Tallahassee, Florida.
- Resident Project Representative for the new FedEx Complex at the Tallahassee Regional Airport in Tallahassee, Florida. This project includes a new apron with new access taxiways which require Retention Ponds drainage, paving, lighting, parking areas, security fencing and gating. The new facility encompasses the existing Air Cargo complex and a new Access Roadway from a major highway to both facilities which will be lighted and provides ingress and egress for all size vehicles.
- Resident Project Representative for a new eight (8) mile perimeter road with a new adjoining ten (10') foot security fence at the Tallahassee Regional Airport in Tallahassee Florida. Project included extensive coordination with owner and airport operations for safety and security during Construction.
- Resident Project Representative for the addition of 25' paved shoulders to either side of the north- south runway at Tallahassee Regional Airport.
- Resident Project Representative for the construction of the General Aviation Taxiway "R" and "B" at the Tallahassee Regional Airport.
- Resident Project Representative for a total airfield lighting renovation at North West Alabama Municipal Airport in Muscle Shoals, Alabama.
- Resident Project Representative for the T-hangar Phase II project at the Sarasota-Bradenton International Airport, Florida. Project included paving, grading, and drainage plus the erection of three (3) new hangar units.
- Resident Project Representative for the new Taxiway "D" project at Sarasota-Bradenton International Airport at Sarasota, Florida. Project includes construction of a completely new taxiway plus an asphalt overlay of an existing taxiway.
- Resident Project Representative for part of Runway 3 extension at Greenville-Spartanburg International Airport, South Carolina.
- Resident Project Representative for clearing project at Orangeburg Municipal Airport, South Carolina.
- Resident Project Representative for Phase II on runway extension and customs facilities, including apron and building, for Greenville-Spartanburg International Airport, South Carolina, Stages I and II. Project includes paving, grading, and drainage as well as access road to BMW Facility.
- Resident Project Representative for Phase II of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as extending and upgrading the existing primary roadway and taxiway.
- Resident Project Representative for Phase I of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as a new apron with upgraded fuel facility.

QUALIFICATIONS:

B.S., Civil Engineering, 1979
University of Florida

REGISTRATION:

Professional Engineer (FL # 34810)

TRAINING:

Project Manager Course/Florida Department of Transportation
Quality Assurance/Quality Control Training/Florida Department of Transportation
Project Engineer Training/Florida Department of Transportation
Traffic Control Plan Certification/Florida Department of Transportation
Hearing Officer – Hillsborough County – Residential Traffic Control
Expert Witness – Court of Appeals
Institute of Transportation Engineers, Engineer of the Year, 1996
Institute of Transportation Engineers, Fellow (International Director 1993 to 1995)
Institute of Transportation Engineers, Past Florida President (1992-1993)
Illuminating Engineering Society of North America

PROFESSIONAL EXPERIENCE:

1979 - 2011 (Career)

2010 - 2011 (LPA)

Principal – Director of Local Government Services
THE LPA GROUP INCORPORATED

Work history prior to joining THE LPA GROUP includes:

Director of Local Government Services, Florida – Mr. Dabkowski, P.E., was responsible for assuring complete client satisfaction in all aspects of Traffic, Parks, Trails, Planning and Civil Engineering. Satisfaction means a very clear scope of service by all parties, assigned personnel that are experts in the field of scope, a realistic schedule that will meet the clients' needs, reasonable negotiated fees that follow the industry standards, a quality control process that is tailored to the scope, a finished product that the client will be proud of and finally, a positive reply from their clients that will be proud to share. The following are examples of major trail projects that Mr. Dabkowski directed:

AREAS OF EXPERTISE:

- **Project Management**
- **Construction Administration**
- **Roadway Design**
- **Utility Design**
- **Right-of-Way Surveying**

• Gainesville, Florida – Under the direction of Mr. Dabkowski, the team provided survey and engineering services for the 15 mile long design project. The project consisted of a 12 foot wide paved recreation trail connecting downtown Gainesville to the Hawthorne rail trail. This trail also included equestrian amenities and a trail head on the southern end. A beautiful steel arch bridge was designed and manufactured to fit the limits of a water crossing and the theme of the area. Included in this project was the design and environmental permitting. Complete construction plans and bid package was provided.

• Dunedin, Florida - This trail project was the first lighted section of the 62 mile long Pinellas County "Fred Marquis" trail. Mr. Dabkowski was the project manager for the first 16 mile segment of this award winning trail. Mr. Dabkowski also assisted the City in permitting and seeking approval to light a 1/2 mile segment with pedestrian scale lighting. This allowed the surrounding visitors of the hotels to walk the trail at night offering access to local dining and shopping within the CRA district of the City.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Gainesville, Florida – Mr. Dabkowski was the project manager for the Depot Avenue trail in the heart of the downtown. This trail connected the highly successful Hawthorne rail trail to the downtown area via the Depot Avenue trail. Several state road crossings were required which allowed great cooperation with the state. Environmental concerns from the previous rail usage were also contained and permitted with success. A roundabout was also introduced into the design and several high volume pedestrian crossings were designed with safe access. The team provided survey and engineering services for this 6 mile long design project. The project consisted of a 10 foot wide urban paved trail. Special crosswalk markings were approved by the state.
- Dunedin, Florida – The City visioned a linear park along the intracoastal waterway from the City limits to Downtown. This corridor known as Edgewater Drive was to provide bench seating, viewing areas, safe crossing of the street and expanded sidewalk designs for the multipurpose users including transit stops.

QUALIFICATIONS:

B.S., Civil Engineering, 1980
University of Toronto

REGISTRATION:

Professional Engineer (FL #58147, MI, and Ontario)

PROFESSIONAL EXPERIENCE:

1980 - 2011 (Career)
2010 - 2011 (LPA)

Senior Transportation Engineer
THE LPA GROUP INCORPORATED

Mr. Rao has 30 years of experience providing planning, design and project management for transportation engineering projects focusing on livable communities projects. The focus of this expertise is in designing facilities for multi-modal and non-motorized transportation users. I have particularly strong experience with designing traffic calming projects, bicycle/ pedestrian crossings and analyses, safe routes to school projects and programs, and traffic signal analysis.

As a former employee of government organizations – City of St. Petersburg, FL, five years; City of Toronto, Ontario, six years; and the Ministry of Transportation, Ontario, ten years – coupled with over eight years of private sector work for public clients – I understand the unique demands of designing projects in a public forum. During the last 20 years, I have personally attended and/or chaired over 800 public meetings, to reach consensus within these communities for implementation of projects.

Project experience prior to joining LPA includes:

2003 to 2010 – Transportation for Livable Communities Engineer, Volkert, Inc., Tampa, FL

Traffic Calming Projects

- Neighborhood Traffic Calming (NTC) Program, Hillsborough County, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program. Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.
- Westshore Business District Area Traffic Calming Project, Tampa, FL (Hillsborough County) – Provision of traffic calming design services for Armenia and Howard Avenues arterial streets flanked by small business enterprises. These services consisted of planning and designing on-street parking configurations with a view to increasing parking inventory, reducing operating speeds, and beautifying these corridors. Services included research of other traffic calming programs for effectiveness, investigation and application of parking ordinances, evaluation and prioritizing of projects, development of construction standards for traffic calming features, assistance at two public information meetings (residential and business) and presentation to the Board of County Commissioners.
- Neighborhood Traffic Calming (NTC) Program Development, City of Dunedin, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program.

AREAS OF EXPERTISE:

- **Transportation Engineering**
- **Traffic Design / Studies**
- **Conceptual Design Services**

**PROFESSIONAL
EXPERIENCE**
(Continued):

Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.

Bicycle and Pedestrian Studies

- Bicycle/Pedestrian Masterplan, City of Dunedin, FL – Conducted a comprehensive study outlining the on and off-road non-motorized opportunities for multi-modal use on a city-wide basis. Assisted in the development of the visions/goals, community responses, and pedestrian level of service computations. Assisted in the layout of the various cross-sectional strategies to provide bicycle lanes on existing pavements, leading to the development of the Masterplan Bicycle Conditions matrix as well as resident surveys/questionnaires.
- Fletcher Avenue Pedestrian Safety Study and Conceptual Design, Hillsborough County, FL – Conducted a comprehensive pedestrian and bicyclist safety study to analyze crash types patterns and identify opportunities for crash mitigation. Provided conceptual design services to foster safer crossings for pedestrians and more accessibility for bicyclists.
- SR 580 Pedestrian Safety Study and Conceptual Design, City of Dunedin, FL – Conducted a comprehensive pedestrian and bicyclist safety study to reduce crashes. Provided conceptual design services to improve accessibility for bicyclists and physically challenged persons. Working with the City and FDOT, conceptual countermeasures were developed for four cross-sectional roadway treatments ranging from a six-lane divided section to a two-lane median landscaped section adjacent to the Pinellas Trail.

Corridor and Neighborhood Transportation Studies

- City-Wide Transportation Study and Transportation Concurrency Management System Development, City of Newberry, FL – The project was to analyze current traffic while considering the City's Development Plan, ordinances, land use, and roadway infrastructure. Services included a field review of the corridor regarding lane capacity issues, analyzing traffic data and Levels of Service, and recommending a grid system future street system that encourages sustainable growth, connectivity, and multi-modal applications.
- Blind Pass Road Multi-Modal Corridor Plan, City of St. Pete Beach, FL – The project involved developing conceptual plans for better pedestrian access and new on-street parking for merchants in the central business district. It also included close coordination with FDOT for use of state rights-of-way in Downtown. A comprehensive area-wide study was conducted to determine the impacts of the redesign on the main high-volume traffic intersections.

**PROFESSIONAL
AFFILIATIONS:**

Hillsborough County MPO Livable Roadways Committee
Northeast Florida League of Cities
Association of Pedestrian and Bicyclist Professionals
Institute of Transportation Engineers (ITE)
Chair, Florida Urban Traffic Engineer's Council, 2001
Co-Founder, Tampa Bay Area Traffic Calming Group, 1997

QUALIFICATIONS:

B.S., Civil Engineering, 1982
University of Florida, Gainesville

REGISTRATION:

Professional Engineer (FL #38772, AL)

PROFESSIONAL EXPERIENCE:

1982 - 2011 (Career)
2002 - 2011 (LPA)

Principal
THE LPA GROUP INCORPORATED

Mr. Oshesky's 29 years experience is comprised of Program Management for Transportation Infrastructure, Greenway and Floodway Improvement Programs, Interstate Design, Interchange Design, Highway Design, Recreational and Trail Design, PD&E Studies, Feasibility Studies and Value Engineering. Mr. Oshesky actively participates in organizations and committees which provide continuing education, develop industry guidelines and identify potential funding for public projects.

Mr. Oshesky's entire career has been in Florida. During his career he served of over nine years of experience with the Florida Department of Transportation and over four years with the Florida Department of Environmental Protection. As Principal for The LPA Group's North Florida Region Mr. Oshesky has managed resources, overseen quality assurance and provided leadership for the following projects:

LPA project experience includes:

- Program Manager on General Engineering Consultant contract for BluePrint 2000 Intergovernmental Agency – Served three years as Program Manager for \$800 Million sales tax program for a City of Tallahassee/Leon County joint agency which includes corridor improvement projects on the state highway system and stormwater master planning and retrofit projects.
- Engineer of Record for Leon County Continuing Services contract.
- Project Principal on I-95 Agricultural Interdiction Station in Nassau County, for FDOT, District Two.
- Project Principal on SR 128 resurfacing in Duval County, for FDOT, District Two.
- Project Principal on Olustee Creek Bridge Replacement in St. Johns County, for FDOT, District Two.
- Project Manager on SR 60 Courtney Campbell Causeway Multi-Use Trail Feasibility Study, FDOT District Seven – Evaluate the feasible alternatives to provide recreational access and use along an eight mile corridor across Tampa Bay in Hillsborough and Pinellas Counties.
- Project Principal SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Milling and resurfacing of one-mile segment of four-lane urban roadway.
- Project Principal on SR 10 (US 90) Mahan Drive widening from Dempsey Mayo to I-10 in Leon County, for FDOT, District Three.
- Engineer of Record on I-10 Agricultural Interdiction Station for FDOT District Three – Design-build contract which included interstate ramps and facilities for the Florida Department of Agriculture and Consumer Services.

AREAS OF EXPERTISE:

- **Program Management**
- **Value Engineering**
- **Recreational Trail Design**
- **Roadway Design**
- **Construction and Permit Drawings**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Engineer of Record on Monticello By-Pass Feasibility Study in Jefferson County for FDOT, District Three – Evaluated feasible alternatives for US 19 through downtown Monticello.
- Engineer of Record for Wakulla County Continuing Services contract.
- Project Principal SR 61 (US 319) Crawfordville Highway widening from US 98 to Lost Creek Bridge in Wakulla County, for FDOT, District Three.
- Project Principal on SR 20 (US 27) resurfacing in Jefferson County, for FDOT, District Three.
- Project Principal for Florida Department of Environmental Protection, Florida Overseas Heritage Trail.
- Principal for Florida Department of Environmental Protection, Camp Helen State Park Improvements and Rehabilitation in Bay County.
- Project Principal SR 30 (US 98) Bayou Chico Bridge Replacement in Escambia County, for FDOT, District Three.
- Project Principal on Turnbull Creek Bridge and resurfacing in Volusia County, for FDOT, District Five.
- Project Principal on SR 500 (US 192) Indian River Bridge Replacement Design-Build Criteria Package, Brevard County, for FDOT, District Five.
- Principal for Florida Department of Environmental Protection, Statewide Continuing Services Contract.
- Principal for Wakulla County, Ochlocknee Bay Multi-Use Trail Master Plan and Design.

Project experience prior to LPA includes:

- Florida's Turnpike, Osceola Parkway (Dart Boulevard) Interchange, Osceola County, Florida – Highway designer responsible for combined (one contract) PD&E, planning, highway design and plans preparation for the construction on a diamond interchange on Florida's Turnpike at the Osceola Parkway. The project included PD&E, highway design, drainage design, permitting, lighting, toll facilities design, and traffic control.
- FDOT, SR 84 (Alligator Alley) Conversion to I-75, Broward and Collier Counties, Florida – Lead highway designer for two sections of the ten section total project of the conversion of SR-84 to I-75 in Collier and Broward Counties. Project included the conversion of a two-lane highway through the Florida Everglades to a limited access interstate facility. Project included PD&E, highway design, maintenance of traffic, drainage, and permitting.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Civil Engineers – Tallahassee Branch, Past Officer
Florida Institute of Consulting Engineers – Transportation Committee
Florida Engineering Society
American Society of Highway Engineers
American Public Works Association – Big Bend Chapter, Past President
Society of American Value Engineers
Florida Recreation and Park Association
Citizens Advisory Committee, Leon County, Tharpe Street Corridor Study

**SPECIALIZED
TRAINING:**

Value Engineering Team Member and Leader Training
Value Engineering Module I and Module II Training
FDOT Advance Maintenance of Traffic

QUALIFICATIONS:

M.S., Civil Engineering, 1993
University of Illinois

B.S., Civil Engineering, 1992
The Citadel

CERTIFICATIONS:

Specifications
TRNS*PORT
LRFR Bridge Load Rating
Long Range Estimate
Errors & Omissions
American Segmental Bridge Institute Grouting Training Certificate

REGISTRATION:

Professional Engineer (FL #53948, NC)

PROFESSIONAL EXPERIENCE:

1993 - 2011 (Career)
2001 - 2011 (LPA)

Bridge Engineer
THE LPA GROUP INCORPORATED

Mr. Schwier has over 18 years of structural engineering experience including extensive work on the design of the new Leonard P. Zakim Bunker Hill Cable Stayed Bridge in Boston. He has experience in all aspects of bridge design, having designed both superstructure and substructure elements for precast segmental and conventional beam bridges. Mr. Schwier has also been involved in several bridge inspection projects, including fracture critical inspections.

AREAS OF EXPERTISE:

- **Project Coordination**
- **Program Management**
- **Bridge Design**
- **Precast Segmental Bridges**
- **Conventional Beam Bridges**
- **Cable-Stay Bridges**

- Florida Keys Overseas Heritage Trail (FKOHT) Bridge Restoration; Monroe County, Florida. These projects consisted of the condition inspection, restoration design and construction administration of seven of the historic Flagler railroad concrete arch bridges. The bridges were in various stages of deterioration after years of neglect or limited maintenance. The plans included concrete spall repair, concrete crack repair, joint replacement, milling and resurfacing and barrier repairs. Mr. Schwier served as the Lead Engineer and Manager for these projects at Park Channel and Big Coppitt Keys.
- Turnbull Creek Bridge Replacement; Volusia County, Florida. Replacement of the existing U.S. 1 Bridge. Mr. Schwier served as the Senior Engineer for the design and detailing of the 180' long bridge from the Bridge Development Report stage through final design. The structure is a 43' wide 18" deep cast-in-place flat slab on pile bents.
- Rookery Bay Pedestrian Bridge, Naples Florida. Services included design and construction administration for a boardwalk style pedestrian bridge using alternative building materials at the Rookery Bay National Marine Estuarine Research Reserve for the Florida Department of Environmental Protection. During construction no impacts, temporary or permanent, can be made to the wetlands. Mr. Schwier served as the project manager and lead structural engineer for this project.
- Group 9-04 Bridge Replacements, Holmes County, Florida, FDOT District Three – Mr. Schwier served as the Project Manager and the EOR for this project. Bridge culverts were used to replace two structurally deficient timber bridges. Coordination with

**PROFESSIONAL
EXPERIENCE
(Continued):**

- hydrology and roadway were essential in setting the proper culvert dimensions to suit each culvert site. An open thrie beam barrier was placed on the top of the culverts in lieu of a conventional Type F concrete barrier to accommodate overtopping conditions.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures. Mr. Schwier served as the structures lead on this project.
 - Bahia Honda Bridge, Monroe County, Florida – Provided onsite engineering services during an emergency repair at Bahia Honda Bridge to many structural elements which posed a threat to mariners. Many hanging structural steel members and hanging sections of concrete deck were removed during the emergency repairs.
 - SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida, FDOT District Two – Mr. Schwier served as the EOR for the structures work on this RRR project. The existing condition of an eight-span sonovoid structure and its approach spans are evaluated on this milling and resurfacing project. A barrier rail retrofit was required as well as expansion joint replacements. The bridge approach is a pile supported roadway section. The fill beneath the existing pile supported approach spans has settled and resultant down drag forces have separated the piles from the slab in some locations. LPA used borescopes to inspect the structure and designed repairs to replace piles that had settled and detailed for the structure. The repairs included installing replacement piles utilizing cantilevered pile caps and installing sheet pile along the curb line to reestablish the side slopes and sidewalks.
 - Olustee Creek Bridge Replacement; Union County, Florida. Replacement of the existing steel girder bridge. Mr. Schwier served as the Project Manager for the design and detailing of the 350' long bridge from the Bridge Development Report stage through final design. The structure consists of Type II AASHTO girders on pile bents.
 - SR 30 (US 98) Bayou Chico Bridge Replacement; Escambia County for FDOT District Three. Mr. Schwier served as Project Manager for the design of the 200' three span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
 - SR 61 over Lost Creek Bridge; Wakulla County for FDOT District Three. Widening and reconfiguration of existing bridge to include 2-lanes of traffic, bicycle lane, and sidewalk in each direction. Mr. Schwier is the Senior Engineer on this project responsible for the design and detailing of the 270' long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36" drilled shafts.
 - SR 79 over Reedy Branch; Washington County for FDOT District Three. This project consists of the phased construction of twin 400' bridges over Reedy Branch. The area being bridged consists of large muck pockets leading to long pile lengths. Steel pipe piles were designed to facilitate splices and installation of the pile bents. The superstructure is AASHTO Type III beams. Mr. Schwier is the Lead Engineer and the Project Manager for this project.

**PROFESSIONAL
EXPERIENCE:**

AREAS OF EXPERTISE:

- *Utility Coordination*
- *Inspection*

1970 - 2011 (Career)
2010 - Present (LPA)

Manager - Utilities Coordination
THE LPA GROUP INCORPORATED

Mr. Payne has more than 40 years of experience as a utility coordinator. During his 30 years of service with FOOT, he received the Rolfe Mickler Award for Diligence and Support of FDOT and made significant contributions to the organization. Mr. Payne served as a direct liaison coordinating contact between utility owners, counties and municipalities, governmental agencies, local utility coordinating groups and drainage districts. This included initiating contact with utility companies for scheduled road projects involving utility adjustment or relocation of existing facilities; reviewing and approving utility engineering proposals, plans, specifications, construction schedules and estimates; preparing necessary legal agreements governed by federal and state regulations and statutes; negotiating acquisition of utility easements as involved with various proposed construction projects; coordinating/advising/reviewing highway improvement planning, design criteria and plans as regarding utilities, with departmental design units and consultant engineering firms considering such things as economics, compliance with Federal Highway Administration Program Manual, Utility Accommodation Guide, and all other governing policies; arranging and conducting Pre-Design conferences between FDOT and all utility agencies to ensure that the utility agencies' proposed design and construction work will properly scheduled and coordinated with FDOT's proposed design and construction work; initiating and compiling utility cost study during preplanning stage for inclusion in project design study report; processing all right-of-way easement and property rights of utility agencies. He also coordinates preparation of, review and recommending approval of utility permits on construction projects; processes necessary documents for certification of projects for advertisement and award of contract.

Mr. Payne acted in the above advisory capacity at pre-construction meetings between FDOT, utility agencies and the highway contractor to minimize any delay in construction of the project; assisted resident and project engineers with utility problems during construction; coordinated documentation of utility relocation work with auditors for documentation of invoices for utility adjustments; coordinated interoffice programming of planning, design maintenance permits, easements, agreements, etc., with FDOT offices of Planning, Design, Maintenance, Construction and Right-of-Way, insofar as it affects utility organizations; prepared all utility invoices for documentation by construction forces and submits to Fiscal for payment; coordinated with Production Management in scheduling of utility activities.

Project experience prior to joining LPA includes:

- January 2009 to September 2010 – PBS&J – Senior Utility Coordinator – FDOT – District 2 – General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for 35+ DOT production/construction projects. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducted on-site meetings, ensured utility compliance with FOOT regulations, and inspected utility construction and relocation operations.
- April 2000 to December 2008 – Earth Tech/AE COM – Utility Coordination/CEI Department – Manager – FDOT – District 2, General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for more than 70 construction projects, as

**PROFESSIONAL
EXPERIENCE
(Continued):**

well as supervised the inspection of the specific utility work schedules. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducts on-site meetings, ensures utility compliance with FOOT regulations, and inspected utility construction and relocation operations. Supervised seven CEI inspectors, one utility coordinator and one utility office assistant.

- 1970 to 2000 – FDOT – Utility Coordinator
 - FDOT – District 2, Fuller Warren Bridge, Duval County, Florida. Utility coordinator for the reconstruction of 1.6 miles of bridges and ramps.
 - FDOT – District 2, Acosta Bridge, Duval County, Florida. Utility coordinator.
 - FDOT – District 2, 1-75 Widening and Reconstruction, Marion County Line to Georgia State Line, Florida. Provided utility coordination with as many as 12 utility agencies in two counties along the corridor.
 - FDOT – District 2, SR 15 (Riverside Avenue) Widening and Reconstruction, Edison Avenue to Acosta Bridge, Jacksonville, Florida. Provided utility coordination with as many as 7 utility agencies in Duval County.
 - FDOT – District 2, SR 207 Widening and Reconstruction, US 17 to 1-95, Putnam/St. Johns County, Florida. Provided utility coordination with as many as 7 utility agencies in these counties.
 - FDOT – District 2, SR 500 Widening and Reconstruction, US 19 to Marion County Line, Levy County, Florida. Provided utility coordination with as many as 10 utility agencies in Levy County.
 - FDOT – District 2, SR 9A Design-Build, J. Turner Butler Boulevard to Beach Boulevard, Jacksonville, Florida. Provided utility coordination with as many as 5 utility agencies in Duval County.

TRAINING:

Earth Tech Health & Safety Training

- 01 - Safety Orientation 01/22/2008
- 02 - Hazard Communication (US) IWHMIS (Canada) 12/22/2005
- 03 - Defensive Driving Awareness Training 05/12/2008
- 04 - Defensive Driving 4-Hour Course 02/28/2007
- 13 - Field Safety 4-Hour 03/06/2007
- 14 - Office Ergonomics Training 04/24/2007
- Employee Substance Abuse Training 05/29/2008
- ETUSA Southeast District Safety Metrics 09/25/2007

Training and Certifications

- Asphaltic Concrete
- Soils
- Contract Plans Reading
- Construction Inspection Mathematics
- Drainage
- Concrete Materials
- Contract Encumbrance
- Payment Processing
- 0.1. Teams
- Put-It-In-Writing Course

QUALIFICATIONS:

B.S., Mechanical Engineering, 1988
Missouri University of Science and Technology

A.A., 1983
Three Rivers Community College

REGISTRATION:

Professional Engineer (FL #50484)

PROFESSIONAL EXPERIENCE:

1975 - 2011 (Career)
June 2009 - 2011 (LPA)

Senior Project Manager
THE LPA GROUP INCORPORATED

Mr. Ivy has worked in private consulting civil engineering and related fields since 1975, and as a group leader/project manager since 1994. Ivy joined THE LPA GROUP in June 2009 as a Senior Project Manager in the Tampa office, and is working on and providing oversight and expertise on multiple general civil engineering projects throughout the state of Florida and the Southeastern U.S. His project experience includes many different types of civil engineering projects of all sizes in planning, design and construction phases. Ivy possesses a strong understanding of the engineering and construction industry, having now been in it for more than 36 years. Also, having worked throughout the United States along with some overseas experience lends valuable knowledge. The types of projects Mr. Ivy has worked on in the past include water, wastewater and reclaimed water transmission and treatment; natural gas and anhydrous ammonia pipelines, pumping and process piping; transportation including roadway and bridge design; land development including drainage systems design and permitting; civil site engineering and permitting; extensive permitting from federal, state, city, county and other agencies such as improvement districts, railroads and other entities.

AREAS OF EXPERTISE:

- **Project Management**
- **Stormwater Management**
- **Project Engineering**
- **Civil Site Engineering / Permitting**
- **Design**
- **Oversight / Scheduling**
- **Construction Phase Services**

Typical project experience includes:

- Restore Biloxi - Infrastructure Repair Program – Area 07: Buena Vista East Phases I & II, Biloxi, Mississippi (2009-2011) – Senior Project Engineer doing engineering for the rehabilitation of water, sanitary sewer, storm sewer infrastructure in the Buena Vista East project area. Area 7: East Buena Vista is comprised of U.S. Highway 90, Water Street, Howard Avenue, and Peyton Avenue, as well as other streets that intersect these main thoroughfares. Responsible for civil engineering design, coordination with project team, preparation of construction drawings and specifications, permitting, bidding, and construction administration.**
- City of Zephyrhills, Florida – Downtown Stormwater Retention Pond and Pump Station Improvements – (2009-2010) Project Engineer for design and preparation of construction plans and specifications for the renovation of the downtown stormwater retention pond and pumping station which serves and isolated drainage basin.**
- Tampa Bay Pipeline Company, Ammonia Pipeline Main Extension, Port Sutton Road, Tampa, Florida (2009-2010) – Project Manager and Engineer of Record for a proposed Ammonia Pipeline main extension project to connect two separate ammonia delivery facilities/pumping stations at Port Sutton, which is a part of The Port of Tampa.**

PROFESSIONAL EXPERIENCE
(Continued):

- Penn Tank Lines, Tampa, Florida (2008-2009) – Project Manager and Engineer of Record for the conversion of existing 10-acre tract and building into New Penn Tank Lines Trucking Facility Building and Site Appurtenances. Services included comprehensive civil site engineering including City of Tampa site plan approval, paving and drainage, water and watershed, and other miscellaneous engineering and related tasks. Penn Tank Lines uses tractor-trailers for the hauling of fuel.
- Florida Department of Environmental Protection Recreation and Parks Department, Hillsborough River State Park, Hillsborough County, Florida (2008-2009) – Project Manager and Engineer of Record for professional consulting services for proposed parking and stormwater management improvements. Project purpose is to restore natural drainage patterns and provide improvements to the water quality of the stormwater runoff into the Hillsborough River. The project is jointly funded by FDEP and SWFWMD.
- Natural Gas Main Extension, Fort Pierce, Florida (2006-2007) – Engineering and permitting for a 4,000 foot-long, 20" diameter Natural Gas Pipeline project to deliver natural gas to a new power plant being constructed by Florida Municipal Power Association (FMPA).
- Tampa Bay Pipeline Company & Tampa Electric Company, Ammonia Pipeline Main Extension, South Hillsborough County, Florida (2005-2007) – Engineer of Record for a 10-mile Ammonia Pipeline project to deliver ammonia to the Big Bend Power Plant for the SCR process. Permits were obtained for numerous CSX railroad crossings, numerous subaqueous pipeline crossings including the Alafia River and Bullfrog Creek, FDOT, Hillsborough County, SWFWMD, Port of Tampa, and EPC.
- Natural Gas Gate Station Projects, Fort Myers, Palatka, Tampa, and Manatee County, Florida (2003-2008) – Senior Engineer responsible for civil site engineering, mechanical piping design, and construction phase services for Natural Gas Gate Station projects throughout the State of Florida.
- Vandolah Natural Gas Main Extension, Hardee County, Florida (2003) – Engineer of Record and Project Manager for design and construction phase services for a seven-mile Natural Gas Pipeline project. Design, permitting, and construction was completed in record time (April to August 2003). Gas Main was put in operation in August 2003. Project was also well within budget.

PROFESSIONAL MEMBERSHIPS:

National Society of Professional Engineers
American Society of Civil Engineers
Florida Natural Gas Association
Florida Engineering Society
Florida Utilities Coordinating Committee
Greater Tampa Utility Group
Rotary International

ADDITIONAL TRAINING:

Underground Storage Tank Management, University of Wisconsin – Madison
Seismic Design of Highway Bridges, National Highway Institute, USDOT, FHWA, Imbsen and Associates, Inc. Engineering Consultants

**PROFESSIONAL
EXPERIENCE:**

1983 - 2011 (Career)

2002 - 2011 (LPA)

**Public Involvement Manager
Florida Surface Transportation
THE LPA GROUP INCORPORATED**

Mrs. Pfuntner has 28 years of experience in community involvement, public relations, business development, marketing, CADD management and production, graphics and manual drafting and survey processing in virtually all disciplines of engineering including roadway, drainage, site, environmental, landscape, signing and pavement marking, signalization, surveying and mapping (including R/W mapping). She is responsible for planning and implementing effective public involvement plans, public meetings, public speaking presentations and creating and distributing valuable communication materials, and informative websites for transportation and recreational projects, as well as business development, plans production supervision, preparation of man-hour estimates and project scheduling. She is familiar with the FDOT CAP criteria and characteristics of the Level of Impacts for transportation projects.

Ms. Pfuntner's extensive FDOT plans production expertise and graphics experience allow her to create literature and graphics, which effectively and accurately convey aspects of transportation or recreational projects to the public and stakeholders. She excels in interpersonal and organizational skills with effective communications, negotiations, analytical and problem solving skills.

LPA Project Experience:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Public Involvement Manager for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Districtwide Community Awareness for FDOT District Five – As Project Manager, Bonnie is responsible for coordination, development, implementation, notification and conducting public meetings/workshops and public involvement activities, such as presentations and meeting exhibit preparation for District Five's in-house design projects.
- SR 10 (US 90) Mahan Drive, from Dempsey Mayo Road to Walden Road in Leon County for FDOT District Three – Community awareness for the reconstruction and widening of a 3.1 mile existing 2-lane rural highway to a 4-lane divided highway in Leon County. Duties include development of the Community Awareness Plan – CAP Level II, and organizing/conducting public meetings. Also included is conducting coordination with property owners and FDOT regarding impacts and controversial changes in the access classification.
- SR 30 (US 98) Navy Boulevard Bayou Chico Bridge Replacement, in Escambia County for FDOT District Three – Community awareness at a CAP Level II for the replacement of the existing bridge with a 180' long bridge. This project's initial public meeting resulted in public input requesting a revised design to raise the horizontal clearance an additional 7' to allow for better boat access to and from the Bayou Chico. An additional public meeting was held to convey the raised bridge design which FDOT approved. The project also included coordination with property owners and FDOT regarding impacts of the raised profile grade of the bridge approaches.

AREAS OF EXPERTISE:

- **Public Involvement**
- **Presentation
Materials/Graphics**

PROFESSIONAL EXPERIENCE
(Continued):

- SR 500 (US 192) Indian River Relief Bridge Replacements, in Brevard County for FDOT District Five – Community awareness at a CAP Level II for the development of a Design-Build Criteria Package. This project's public involvement activities included two agency meetings and one public meeting in addition to the development of the scope and CAP for the Design-Build RFP.
- Blueprint 2000 and Beyond General Engineering Consultant Contract – As Public Involvement and Public Information Manager for a \$800 million transportation infrastructure program, Ms. Pfuntner was responsible for management of the Public Involvement Program and supervision of the Public Information Officer and the Public Relations subconsultant. The Public Involvement Program includes development of Community Awareness Plans, organization and coordination of all project public meetings and hearings, and database management for public comment and commitment tracking on all projects. Other duties include web site development, press releases, media information and correspondence, and public speaking events. Additionally, she was responsible for production of project concept reports for seven transportation and stormwater improvement projects.
- SR 61 (US 319) Crawfordville Road from SR 30 (US 98) to Lost Creek Bridge, in Wakulla County for FDOT District Three – Community awareness for the reconstruction and widening of an existing 2-lane rural highway to a 4-lane divided highway that will include both a rural and urban section in Wakulla County. Duties include development of the Community Awareness Plan, and organizing/conducting three public meetings in the community. Also included is conducting coordination with property owners and FDOT regarding impacts of the future right-of-way. This project's public involvement aspects are being coordinated with two other design projects underway along the same corridor, adding two levels of coordination. This level of coordination adds continuity and is improving awareness county wide.
- Monticello By-Pass Corridor Study, in Jefferson County for FDOT District Three – Developed Community Awareness Plan, organized and conducted several public meetings in the community. Performed various data gathering activities for input into the socio-economic impact analysis.
- SR 20 (US 27) Milling and Resurfacing, in Jefferson County for FDOT District Three – Developed Community Awareness Plan.

Representative projects prior to LPA include:

- Florida's Turnpike Traffic General Consultant Contract - As a subconsultant to the GEC on two consecutive 5-year contracts, Ms. Pfuntner participated in public hearings held around the state. In this capacity she created presentations and graphic display boards, organized meetings for various types of public hearings and meetings, including renderings of noise walls and toll plazas.
- City of Tallahassee Continuing Services - Participated in public meetings to build awareness and consensus, created graphics and presentation materials for public meetings on several projects, which included renderings of stormwater facilities, roadway improvements and recreational enhancements to corridor projects.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Professional Credentials

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

Professional Organizations

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

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques

Years Experience with EGS: 19

Years Experience with Other Firms: 16

Relevant Experience

Leon County, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to Leon County under a General Service Contract. The tasks have included the Geotechnical analysis for the design life of existing culverts, culvert extensions, mast arm installation, slope evaluations, base failures, lane additions, structural foundations and stormwater pond designs. In addition, the services have included the analysis and remediation of several karst features

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Relevant Experience, cont.

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District 3, Chipley, FL – Provides miscellaneous services to the Florida Department of Transportation under a General Service Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

Capital Cascade Sinkhole, BluePrint 2000 and Beyond – Conducted an emergency geotechnical investigation and design for a sinkhole which formed during construction of a stormwater management facility. The site was a listed EPA Superfund location because of known buried coal tars; therefore, the sinkhole posed both an environmental and constructability problem. The project included the use of ground penetrating radar, as well as soil borings, to evaluate the subsurface conditions in 3 dimensions to verify the "throat" of the sinkhole. A remedial solution was then design and approved by EPA. This project has been awarded the local APWA Emergency Project of the Year and has been nominated for the State Award for 2011.

Lake Munson Sediment Evaluation, Leon County, Department of Public Works - Conducted the geotechnical investigation to evaluate the depth of sediment within Lake Munson as part of a Munson Slough Drainage Improvements Project. The investigation was conducted to map the natural lake bottom, and to determine the type of soils to be dredged and disposed of. In addition, the constituents within the sediments were analyzed to determine if they could be disposed of in a permitted Construction and Debris Landfill, or if they would require special handling due to contamination.

SR 263 (Capital Circle), Leon County, Blueprint 2000 and Beyond – Conducted the geotechnical investigation for the widening of 5 segments of Capital Circle, from I-10 at Capital Circle Northwest to the intersection of Capital Circle Southeast and Apalachee Parkway. The widening design included recommendations for lane additions, mast arm design, slope stability and retention wall design, culvert replacements and extensions, and stormwater treatment facilities. Extensive investigations into the potential of impact as a result of karst (sinkhole) formations were included.

SR 79, Washington County, FDOT District 3, Holmes and Washington County, FL (FDOT FPN 220773-32-01, Sections 3, 5, 6, 7 and 8) – Conducted the geotechnical investigation for five (5) sections of the SR 79 reconstruction and widening project in Washington and Holmes County, Florida. The geotechnical design for the roadway included asphalt coring, parameters for pavement design, analysis for culvert extensions and recommendations for swale exemptions and stormwater ponds. Also included in the project was the bridge and embankment design for the SR 79 bridge replacement over Holmes Creek and the bridge replacement over Reedy Branch Creek.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E.
Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971
Bachelor of Science, Civil Engineering, Oklahoma State University, 1977
Master of Science, Civil Engineering, Kansas State University, 1979
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter
Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow
American Public Works Association
National Society of Professional Engineers
Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

- Over 25 years of environmental design and permitting experience, including natural features, wetland delineation, environmental impact, and environmental management
- Highly-skilled at regulatory agency coordination
- Familiarity of Northwest Florida Water Management District, Florida Department of Environmental Regulation, U.S. Army Corps of Engineers, Leon County Permitting Requirements

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

Leon County, Department of Public Works, General Service Contract – Provides miscellaneous services to the County under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

City of Tallahassee, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to the City of Tallahassee under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Natural Bridge Road over the St. Marks River Bridge Replacement, Leon County, FDOT District 3 - Served as project manager for environmental permitting for Natural Bridge Road over the St. Marks River, an Outstanding Florida Water. The project included obtaining the following Leon County Growth Management Permits: Natural Features Inventory Permit, the Environmental Impact Analysis Permit, the Leon County Public Infrastructure Variance, and the Environmental Management Permit. In addition, permitting for wetland impact was obtained through the joint submittal of the ERP application with the FDEP and the ACOE.

SR 261 (Capital Circle SE), Leon County, Blueprint 2000 & Beyond - Completed the environmental permitting for the widening of Capital Circle from two lanes to 4 lanes from Tram Road to Woodville Highway. The widening design included recommendations for lane additions and stormwater treatment facilities to minimize impact to the natural features within the area. The permitting agencies included the City of Tallahassee, Growth Management Department (Natural Features Inventory Permit, Environmental Impact Analysis Permit, and Environmental Management Permit), US Fish and Wildlife Service (Gopher Tortoise Relocation Permit), and the Northwest Florida Water Management District (Environmental Resource Permit).

Eastern Transmission Line, Phase I and Phase II, City of Tallahassee - Completed the environmental permitting for the construction of twenty (20) miles of the Eastern Transmission Line for the City of Tallahassee, Electric Department. This project included close coordination with the City of Tallahassee, Growth Management Department, the Electric Department, the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers and the Northwest Florida Water Management District. The design route included the southern fence line of I-10 between the SR 319 and the SR 10 (Mahan Drive) interchange, west along Mahan Drive to Weems road, then south to substation BP-9 on Apalachee Parkway. The project included acquisition of the following permits: City of Tallahassee and Leon County – Natural Features Inventory, Environmental Impact Analysis, Environmental Management Permit; Florida Department of Environmental Protection – Dredge and Fill Permit, Stormwater Discharge Permit; U.S. Army Corps of Engineers – Nationwide Permit; and Northwest Florida Water Management District – Environmental Resource Permit.

Capital Cascade Trail Master Plan, Blueprint 2000 & Beyond - The Capital Cascade Trail project is a flood relief and greenways plan for a 5.2 mile corridor through Tallahassee, Florida. This project includes the planning and design for trails, parks and greenway amenities in combination with the stormwater aspect of flood control for the St. Augustine Branch and the Central Drainage Ditch. EGS worked with the Genesis Group to prepare the Natural Features Inventory Permit and participated in numerous public workshops.

Lake Elberta Park, City of Tallahassee - The Lake Elberta Park project included the environmental permitting and design for bike trails and picnic shelters to be constructed at the Lake Elberta Regional Stormwater Management Facility. This project included close coordination with the City of Tallahassee, Parks Division. Permits included the City of Tallahassee, Growth Management Department applications for the Natural Features Inventory, the Environmental Impact Analysis and the Environmental Management Permit.



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Jason D. Hill, PSM
Survey Project Manager

Jason Hill has 23 years of experience in surveying and mapping, working primarily on Florida Department of Transportation projects for the past 16 years. His experience encompasses: design surveys; right-of-way surveys; horizontal and vertical control surveys, topographic surveys; including utilization of electronic field book; jurisdictional delineation; and geodetic and construction surveying. As a Project Manager he has the responsibility of managing multiple projects, ensuring detailed attention and quality assurance to each one. His duties include: client contact, scheduling, manpower allocation; quality control and project budgets. Mr. Hill has worked with various city and county governments, the Florida Department of Transportation, and a variety of private sector clients.

KEY PROJECTS

FDOT 3 SR 61/US 319 (Leon) 4246091 from Timberwolf Crossing to the Georgia State Line: Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL: Mr. Hill is the Project Manager for this project which consists of sixteen areas covering twenty-five square miles, which require location, identification and mapping of stormwater infrastructure. This is the second phase of a complete city-wide stormwater infrastructure inventory mapping project of the City of Tallahassee's stormwater WFR.

FDOT 3 Bellview & Bauer Bridge in Escambia County: Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 CR10 US 90 (Walton) 4246131 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

FDOT 3 SR20 (Leon County) 423067-1 Jason is the Project Manager for this project for which 3DS is providing surveying services for the 3R project These services included typical 3R cross-section and data collection of utilities, drainage and 2D planimetrics

FDOT 3 SR30A (Bay County) 219312-1 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 3D topographic survey.

City of Tallahassee/Blueprint 2000 Capital Circle NW/SW: Mr. Hill provided surveying services for the full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Holmes 4252772 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Walton 4252771 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 SR 291 (Escambia) 4153781 Jason was the Project Manager for this project which included boundary location for the preparation of a control survey.

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, Certification No. 6008



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddinc.com

PROFESSIONAL RECORD

Pamela W. Nobles, PSM
President

Ms. Nobles has been involved in surveying and mapping since 1991 and is the owner of Diversified Design & Drafting Services, Inc. (3DS), which specializes in finished topographic maps for use in engineering design. Ms. Nobles oversees all aspects of both Surveying and Photogrammetry operations by serving as Project Manager and Principle-in-Charge for both divisions as well as Business Manager for the Company. She also spends considerable time contributing and promoting the profession of Surveying and Mapping. She has served on the Florida Board of Professional Surveyors and Mappers, serving three years as chair. With this tenure, she helped institute and write a photogrammetric exam for licensure in the State of Florida. Ms. Nobles also participates on the National Council of Examiners of Engineers and Surveyors Exam Committee for Professional Surveyors as a Subject Matter Expert.

PROJECT HISTORY

Capital Circle NW/SW, 2006 – 2010, H.W. Lochner Engineering, Inc.
Tallahassee, Florida

Is serving as *Project Manager* for this full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phases 1 and 2, 2006/2011, Woolpert
Tallahassee, Florida

Served as *Principle-in-Charge* for both phases of this project. Phase 1 of this project consisted of four pilot areas and required location, identification and GIS mapping of stormwater infrastructure. The purpose was to assess the costs, approach and resources needed to complete a stormwater infrastructure inventory for the City of Tallahassee. The information was used to update the County's GIS database. In 2009, 3DS was awarded Phase 2 of this project which consisted of sixteen additional areas covering twenty-five square miles, which required location, identification and mapping of stormwater infrastructure

Leon County GPS/LIDAR Mapping, 2005 to 2009, Merrick Engineering Co.
Tallahassee, Florida.

Principle-In-Charge of this complete Blue Booking project involving GPS control network, target control and mapping check points for LIDAR mapping. This project create the initial database for the entire GIS system for Leon County. This system included planimetrics, contours and parcel mapping. 3DS has held the contract along with Merrick, Inc. for all updates performed since the initial program began.

FDOT 3 SR 61/US 319 from Timberwolf Crossing to the Georgia State Line, H.W. Lochner Engineering, Inc.
Leon County, Florida

Principle-In-Charge for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Panama City Airport Authority Mitigation Project, 2008 – 2011, St. Joe Company
Panama City, Florida

Currently serving as *Principle-in-Charge* for this project for which 3DS is producing color infrared mosaic photography to determine and document the health of various trees and foliage. 3DS is also providing horizontal and vertical geodetic control throughout the project area to support orthophoto production. On a bi-annual basis 3DS is providing oblique flights and photography of the project area as well.

FDOT 3, Design Group 07-2, SR61 and SR363, George & Associates, Inc.
Tallahassee, Florida

Principle-In-Charge of this full design and DTM survey of the Four Points area in Tallahassee. These were multi-lane intersection surveys in support of 3R design.

EDUCATION

University of Florida, Gainesville, Florida.
Surveying and Mapping BS

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, 1996, Certification No. 5645

Professional Land Surveyor, State of Alabama, 2006, Certification No. 27945-S

Board Member: Board of Professional Surveyors and Mappers Department of Agriculture and Consumer Services, Oct 2009 – Present.

Board Member: Board of Professional Surveyors and Mappers Department of Business and Professional Regulation. 2000-2008. Board Chair, 2001 – 2005; Board Chair 2002 – 2005; Vice Chair – 2001

Education/Training

BS / Land Surveying / 1981 / University of Florida

Registration/Certification

PLS / FL – 1983 / #4179

PLS / LA - 2009 / #5023

Experience

35 Years

Professional Affiliations

- Florida Surveying and Mapping Society
- American Congress on Surveying and Mapping
- National Society of Professional Surveyors
- American Association for Geodetic Surveying

Expertise

As Senior Project Manager of Cardno TBE, Mr. Thie is responsible for the acquisition and management of Surveying and Mapping multi-year contracts and individual projects in North Florida, Alabama, Mississippi, Arkansas and Louisiana. Over the course of his career, Mr. Thie has managed hundreds projects relating to all aspects of the surveying profession. This experience has given Mr. Thie the ability to oversee projects from conception to completion. He is able to anticipate challenges before they arise and find creative and innovative solutions, assuring projects are delivered on time or ahead of schedule and in a cost-efficient manner.

Mr. Thie extensive experience throughout the Southeastern United States includes, but not limited to: Boundary, GLO Retracement, Mean High Water, Right of Way, Horizontal and Vertical Control, Transportation Design, Subsurface Utility and Hydrographic surveys.

Over the course of his career, Mr. Thie has provided surveying and mapping services to Federal, State and Local Government agencies including Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), United State Army Corp of Engineers (USACOE) and the St. Johns River Water Management District (SJRWMD) to name a few.

Mr. Thie spent eight years as the Survey Consultant Project Manager with FDOT District II. While at the DOT, Mr. Thie oversaw the execution and completion of eight district wide Surveying and Mapping and Subsurface Utility Engineering contracts. This first-hand experience gave Mr. Thie a complete understanding of District II's requirements and procedures for completing all aspects of surveying relating to transportation facilities. Mr. Thie was also involved with the development and testing of the Department's Electronic Field Book (EFB) software during his DOT tenure.

Key Project Experience

I-10 Davis-Scenic Final Design / FDOT District III / Escambia County, FL. Cardno TBE is providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. |

Mid-Bay Connector Phase II and III / FDOT District III / Okaloosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. In total, Cardno TBE designated approximately 25,600 linear feet of underground utilities and completed approximately 40 test holes.

District Wide Surveying Contract / FDOT District II / Multiple Counties, FL. On an on-call, task work order basis, Cardno TBE provides Surveying and Mapping as well as Subsurface Utility Engineering services.

Drainage Improvements / FDOT District II / St. Johns County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to determine the horizontal and vertical position of the underground utilities within the project limits.

Statewide Surveying and Mapping Services / FDEP / FL. On a task work order basis, Cardno TBE provides miscellaneous surveying and mapping services.

District Wide General Engineering Contract / FDOT District II / Multiple Counties, FL. As task work orders dictate under this multi-year contract, Cardno TBE provides control, alignment and design surveying services. We also provide designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering.

I-295 from Common Wealth to Trout River / FDOT District II / Duval County, FL. Cardno TBE is completing control and design survey services as well as providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 20 and Hawthorne Road / FDOT District II / Alachua County, FL. Cardno TBE completed control and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15/US 17 / FDOT District II / Duval County, FL. Cardno TBE completed control, alignment, and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR AIA / FDOT District II / Nassau County, FL. Cardno TBE completed control, alignment and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Putnam County, FL. Cardno TBE completed a control survey as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface

Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits. Cardno TBE completed approximately 40 test holes to map a fiber optic cable.

SR 15/US 17 at Wells Road / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15 at 5th Avenue (Callahan) / FDOT District II / Nassau County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

I-75 / FDOT District II / Hamilton County, FL. Cardno TBE provided Surveying and Mapping services to recover and densify primary and secondary horizontal and vertical control as well as completing a topographic survey within the project limits.

SR 200 / FDOT District II / Alachua County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

Education/Training

MA / Construction Engineering and Management / 1980
BS / Civil Engineering / 1971 / Auburn University

Registration/Certification

PE / 2006 / FL / #65392
PE / 2008 / LA / #0033815
PE / 2006 / AR / #11084
PE / 2005 / MS / #16853
PE / 1990 / VA / #0402 021467
Navy Contracting Officer
Certified Acquisition Professional

Experience

39 Years

Professional Affiliations

- Florida Utilities Coordinating Committee
- American Society of Civil Engineers
- Society of American Military Engineers

Expertise

As the Director of Cardno TBE's North Florida Business Unit, Mr. Allen directs all Subsurface Utility Engineering, Surveying and Mapping and professional Utility Coordination projects in North Florida, Alabama, Mississippi and Louisiana.

Mr. Allen's experience providing Subsurface Utility Engineering services includes the management multi-year contracts and hundreds of individual projects. He has an outstanding record for the quality of his team deliverables and for delivering project on-time or ahead of schedule.

He is proficient with the latest industry technology, as well as developing and implementing successful management strategies. Mr. Allen is an original member of the American Society of Civil Engineers (ASCE), Standards Committee charged with creating the *National Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data* (CI/ASCE 38-02).

Key Project Experience

Thomas P. Smith WRF Improvement Project / City of Tallahassee Water Utilities Department / Tallahassee, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits of this plant expansion project. We mapped approximately 110,000 linear feet of underground utilities within the 30 acre design site and completed 217 conflict test holes to identify and facilitate the relocation of existing subsurface utilities. Our Subsurface Utility Engineering efforts on this project involved the identification of many different types of gas, sewer and water lines all involved in the treatment of wastewater. The design engineer provided a very specific framework for us to use during data collection and design file preparation. We successfully conformed to their requirements and mapped a very intricate web of subsurface utilities. Thanks to our efforts, they were able to design around many utilities and save the project owner dollars they could then use on other improvement projects. Cardno TBE also provided Surveying and Mapping services which included densification of traverse control and mapping the stormwater and gravity sewer systems within the plant.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 263 Capital Circle SE / City of Tallahassee, FL. Cardno TBE provided locating (ASCE Quality Level A) verification for existing water and sanitary sewer facilities on Capital Circle for the widening of SR-263. TBE researched a five year-old FDOT project for the widening of Crawfordville Highway in order to re-establish the precise location of an existing 30" transite/AC

sanitary force main at the Crawfordville intersection.

City Sewer Plant on Capital Circle / City of Tallahassee, FL. To assist with the planning of expansion alternatives for the Plant, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to verify the horizontal location of existing underground electric, natural gas, telephone, control wiring, water, and process piping.

Thirty-inch Sanitary Force Main Bypass / FDOT District III / Tallahassee, FL. Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services for the design and construction of a new 30" bypass sanitary force main. Where the force main crossed SR-10/US-90 Mahan Drive in Tallahassee; we avoided numerous communications, water, and natural gas underground facilities.

SR 313 (formerly SR 312 extension) from SR-16 to US-1 / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

Multilane Reconstruction of SR 369 from Wakulla County Line to LL Wallace Road / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 8/I-10 Rest Areas / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provided

designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30 (US 98A) / FDOT District III / Bay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 87, Segment 4 / FDOT District III / Santa Rosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 83 (US 331) from Choct. Bay Relief Bridge to South of SR 20 / FDOT District III / Walton County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30/US 98 from S. of 9th Street to ICWW Bridge / Gulf County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 8 (I-10) from East of SR 291 (Davis Highway) to East of SR 10A (US 90) / FDOT District III / Escambia County, FL. For the multi-lane reconstruction project widening SR 8(I-10) from four lanes to six lanes from East of SR 291 to East of SR 10A; Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.



3. If the respondent is not a joint venture, list outside consultants anticipated to be used on this project. When listing consultants, give the respective specialty of the firm. Standard form SF330 may be used for consultants, if desired.

TECHNICAL EXPERTISE

LPA has assembled a well qualified Team to complete any potential assignment. Our office is conveniently located off Apalachee Parkway in Leon County and we have staff members with previous experience with the County. By using established local subconsultants with the technical expertise, we can stretch your dollars by minimizing travel costs. Our survey and geotechnical crews are local. Our entire Team lives and works in Leon County. For Parks and Recreational Facility Engineering services we have teamed with two Leon County/City of Tallahassee certified Minority/Women Owned Business Enterprises with which we have a long established relationship.

Environmental and Geotechnical Specialists, Inc.

104 North Magnolia Drive, Tallahassee, Florida 32301
Phone: (850) 386-1253, Fax: (850) 385-8050



The M/DBE firm of **Environmental and Geotechnical Specialists, Inc. (EGS)** provides the specialty services associated with environmental and geotechnical engineering. EGS is highly qualified and has an outstanding work experience in northern Florida. EGS specializes in the areas of environmental permitting, environmental site assessments, contamination assessments and geotechnical investigations and designs. The staff at EGS has been providing professional services in this area since 1992. EGS is dedicated to providing exceptional services at competitive rates.

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS' professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. All subsurface investigations and recommendations are coordinated with the Project Manager to assure an investigation is focused on the project issues. All team members are familiar with the requirements for geotechnical evaluations and report submittals.

EGS also has a professional and knowledgeable staff experienced in providing environmental assessments and engineering solutions to various construction related environmental problems encountered during the planning, engineering and design phase of the projects. EGS' staff is familiar with the regulatory requirements of the Northwest Florida Water Management District, the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers. The results of EGS' investigations are presented in a focused engineering report prepared by a licensed professional engineer.

3DS

2374 Capital Circle NE, Tallahassee, Florida 3230
Phone: (850) 385-1133, Fax: (850) 385-1236



3DS has extensive experience in geodetic control surveys, boundary surveys, construction layout, as-built surveys, CEI surveys, right-of-way surveys and wetland jurisdiction surveys. One of the things that makes 3DS unique is that many of these surveys can be performed either traditionally or through photogrammetric methods.

3DS is prequalified with the Florida Department of Transportation and is a Leon County / City of Tallahassee certified Minority/ Women Owned Business Enterprise.

Services Include:

- Geodetic Control Surveys
- Blue Booking Control Networks
- Topographic Surveys (conventional, photogrammetric, LiDAR)
- LiDAR data processing
- Orthophotos
- Wetland jurisdictional surveys
- Airport Surveys
- Mobile LiDAR feature extraction
- High Definition Scanning



Cardno TBE

2804 Remington Green Circle, Suite 4, Tallahassee, Florida 32308
Phone: (850) 385-8232, Fax: (850) 385-8233



Cardno TBE provides clients the highest quality Subsurface Utility Engineering, Three-Dimensional Underground Imaging, professional Utility Coordination, Utility Design and Surveying and Mapping services available.

Throughout the United States and Internationally, Cardno TBE associates are actively involved with industry associations and take part in the research and development of industry standards and guidelines. Due to this and extensive practical experience, their associates are sought internationally for speaking engagements.

Cardno TBE began providing Subsurface Utility Engineering in 1993. Annually, Cardno TBE successfully completes, on average, 11,000 test holes and 5,000,000 linear feet of designating. They have more Subsurface Utility Engineering professionals, equipment and vehicles than any other engineering and design firm, making Cardno TBE the largest Subsurface Utility Engineering provider in the world.

Cardno TBE's staff includes professional, registered surveyors and engineers, survey technicians and field crews. Each associate is focused on maintaining cutting-edge, quality service. Using sophisticated equipment and technology, their professionals prepare 2-D maps and/or 3-D digital files as needed for the task at hand. Applications include federal, state, county and city government continuing service contracts and stand-alone private and public projects.

They are an energetic firm committed to providing innovative and sustainable solutions. Cardno TBE is one of the few firms who have not only embraced the principles and techniques of Total Quality Management (TQM), but use TQM to continually examine and improve their internal processes and procedures to help implement their vision. In fact, 90% of their clients surveyed indicate they would recommend them to someone else for their services. This demonstrates their commitment to quality.

Cardno TBE is currently ranked 9th on *Trenchless Technology's* Top 50 Design Firms (2009) and #137 on *Engineering News-Record's* (ENR) List of Top 500 Design Firms (2010) and is the recipient of numerous industry and civic awards, including;

- 2006 North American Society for Trenchless Technology (NASTT) Industry Achievement Award for Cardno TBE's contribution over the past 15 years in the development and support of the trenchless technology industry
- Federal Highway Administration (FHWA) 2009 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2007 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2006 Excellence in Utility Relocation and Accommodation/Innovation Award

Headquartered in Clearwater, Florida, Cardno TBE has over 40 offices providing services throughout the United States, Canada, United Kingdom, China and Puerto Rico. For more information about Cardno TBE, visit www.CardnoTBE.com. Learn more about Subsurface Utility Engineering at www.SubsurfaceUtilityEngineering.com.



B. EXPERIENCE WITH PROJECTS OF A SIMILAR TYPE AND SIZE

1. *List the projects in the Work Category which best illustrate the experience of the firm and current staff which is being assigned to this project. (List no more than 10 projects, nor projects which were completed more than five (5) years ago.) a) Name and location of the project b) The nature of the firm's responsibility on this project c) Project Owner's representative name, address and phone number d) Project user agency's representative name, address and phone number e) Date project was completed or is anticipated to be completed f) Project manager and other key professionals involved and specify the role of each.*

See project summaries on the following pages.

CAPITAL CIRCLE (SR 263) STRATEGIC INTERMODAL SYSTEM (SIS) CONNECTOR PROJECTS Tallahassee, Florida

Owner: Florida Department of Transportation

Construction Cost: \$525,000.00

Completion Date: April 2007

Scope of Services:

- Design Phase Services
- Permitting
- Environmental Assessment Services
- Bidding Phase Services
- Construction Administration Services
- Construction Inspection Services

For this project, LPA was tasked with design and construction administration for improvements to Capital Circle along the frontage of Tallahassee Regional Airport. The project consisted of design of 7,100 LF of roadway involving turn lane improvements and shoulder widening, permitting with local agencies and FDOT, relocation of utilities, and overall construction management. This project is meant to improve access to the Airport and add a third lane to the existing two lane configuration to help reduce traffic congestion. A new right turn into the new *Air Cargo Facility* was also added. LPA was responsible for all design activities including pavement design, roadway design, drainage design, signing and marking design, MOT plans and construction administration. LPA provided a full time resident project representative on site every day throughout construction. LPA conducted weekly construction meetings with airport and contractor staff.



CONTACT:

Mr. Mike Clow
 Capital Program Administrator
 Department of Aviation
 Tallahassee Regional Airport
 3300 Capital Circle, SW
 Tallahassee, Florida 32310
 Phone: (850) 891-7802



SR 10 (US 90)

Leon County, Florida

Owner: Florida Department of Transportation

Construction Cost: \$40 Million

Start Date: February 2005

Completion Date: December 2011 (Est.)

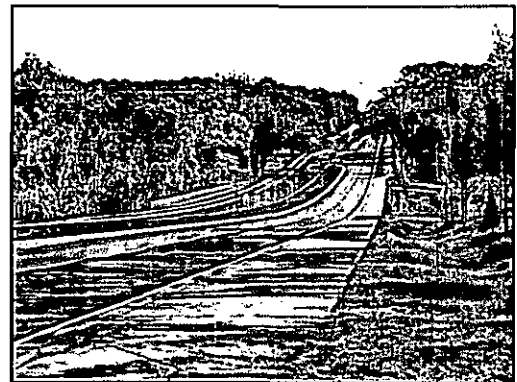
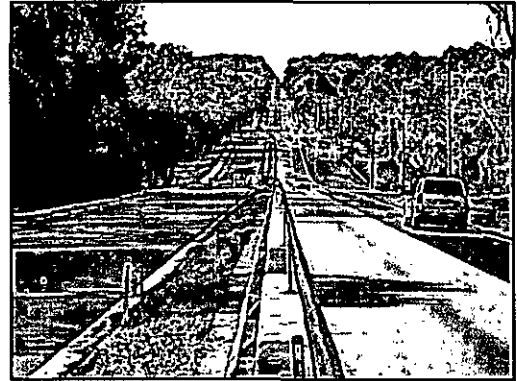
Scope of Services:

- Preliminary Road / Bridge Plans
- Bridge Hydraulic Report
- Signing and Pavement Marking Plans
- Right-of-Way Plans
- Traffic Analysis
- Drainage Plans
- Surveys
- Landscaping Plans
- Final Road / Bridge Construction Plans

Design of a three-mile arterial connector. Work included widening an existing two-lane rural roadway to a four-lane divided facility with curb and gutter, sidewalk, bicycle lanes, multiple storm drain systems discharging to three offsite stormwater facilities, four on-site stormwater facilities and off-site watercourses. Permitting activities involved FDEP, Leon County and NFWMD. In addition, there was a dual bridge replacement that required a FEMA "no-rise" hydraulic analysis coordination and certification with Leon County.

CONTACT:

Mr. Scott Golden, P.E.
District Design Engineer
FDOT, District Three
1074 Highway 90
Chipley, Florida 32428
Phone: (850) 638-0250
Fax: (850) 415-9148



CAPITAL CIRCLE SOUTHEAST (TRAM ROAD TO CONNIE DRIVE)

Leon County, Florida

Owner: BluePrint 2000 Intergovernmental Agency

Construction Costs: \$37,715,142

Completion Date: 2009 (Design-Build)

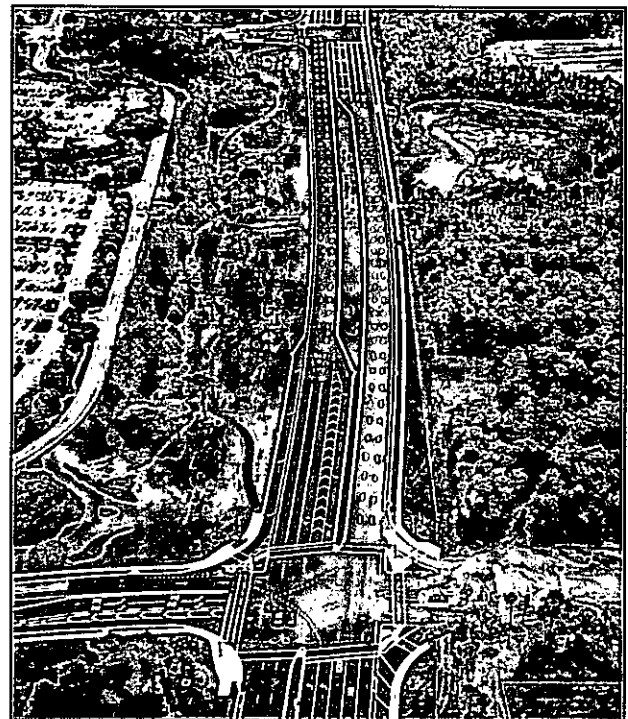
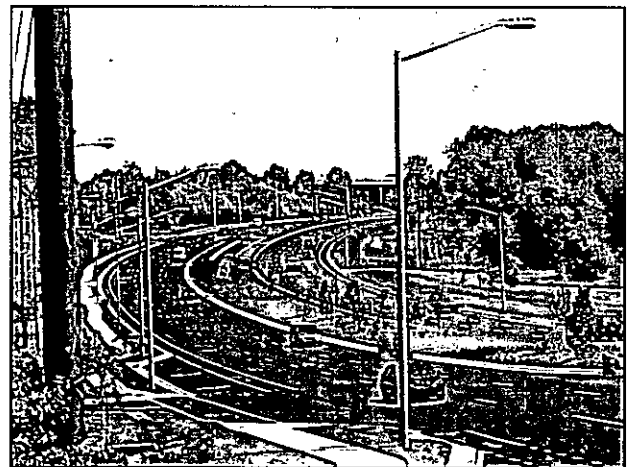
Scope of Services:

- Design Review
- Consultant Project Management
- Public Involvement
- Construction Management & Oversight
- Multi-Agency Maintenance Agreements

THE LPA GROUP serves as the General Engineering Consultant for the 3.5-mile multi-laning of Capital Circle Southeast (US 319/SR 261) in Leon County. The widening project included expanding the existing two-lane undivided rural roadway to a six-lane divided urban (curb and gutter) facility. The project included significant landscaping as well as pedestrian, bicycle and recreational amenities. This project is part of the State Highway system and was completed in close coordination with the Florida Department of Transportation, District Three as Leon County's first transportation Design-Build project.

CONTACT:

Mr. Phil Maher
BluePrint 2000 Interim Executive Director
2727 Apalachee Parkway
Suite 200
Tallahassee, Florida 32301
Phone: (850) 219-1060



CAPITAL CIRCLE SOUTHEAST (WOODVILLE HIGHWAY TO TRAM ROAD)

Leon County, Florida

Owner: BluePrint 2000 Intergovernmental Agency

Completion Date: 2010 (Design-Build)

Construction Cost: \$20,000,000

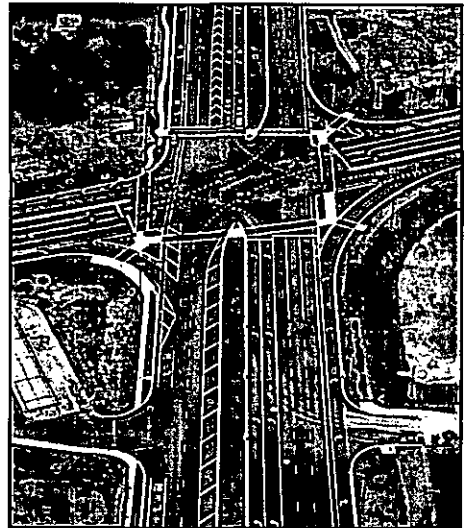
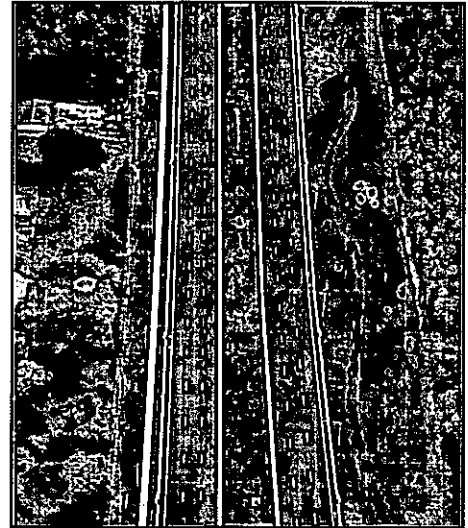
Scope of Services:

- Design Review
- Consultant Project Management
- Public Involvement
- Construction Management and Oversight
- Multi-Agency Maintenance Agreements

THE LPA GROUP served as the General Engineering Consultant for the 2.3 miles multi-laning of Capital Circle Southeast (US 319/SR 261) in Leon County. The widening project included expanding the existing two-lane undivided rural roadway to a six-lane divided urban (curb and gutter) facility. The project included significant landscaping as well as pedestrian, bicycle and recreational amenities. This project is part of the State Highway System and was completed in close coordination with the Florida Department of Transportation, District Three.

CONTACT:

Mr. Phil Maher
BluePrint 2000 Interim Executive Director
2727 Apalachee Parkway
Suite 200
Tallahassee, Florida 32301
Phone: (850) 219-1060



FLETCHER AVENUE PEDESTRIAN SAFETY STUDY AND COMPLETE STREET CONCEPTUAL DESIGN

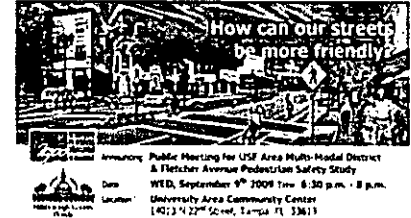
Hillsborough County, Florida

Owner: Hillsborough County

Completion Date: 2010

Scope of Services:

- Determine actions of pedestrians' and bicyclists' crossing corridor
- Establish crossing patterns
- Conduct stakeholder public meetings
- Prepare conceptual safety plans to enhance pedestrians' and bicyclists' safety
- Prepare a comprehensive safety action plan and justification report



Fletcher Avenue from Nebraska Avenue to Bruce B. Downs Boulevard and further to 46th Street and 50th Street is a five-lane major arterial roadway with over 40,000 vehicles per day. It has been identified as one of the highest pedestrian crash zones in Hillsborough County with 15 pedestrian crashes including seven injuries and two fatalities (three year period). The Pedestrian and Bicycle Crash Analysis Tool (PBCAT) results indicated, among other things, a total of nine (9) mid-block and eight (8) right-turn pedestrian crashes. Random mid-block crossings and turning movements are the main causes of these crashes. Further, over 600 vehicle-to-vehicle crashes have occurred within the corridor. A Traffic "Senior Zone" has helped reduce speeds (east of Bruce B. Downs Boulevard) to facilitate elder drivers' accessing and egressing the John Knox assisted living center.

Several hundred pedestrians per hour in this economically challenged and bi-lingual district cross at unprotected points based on land use access needs such as: fast food restaurants, big box retail, pawn shops, and an almost 50,000 student body university campus (east of Bruce B. Downs Boulevard). The center, two-way left-turn lane does not provide safe refuge for pedestrians crossing the road on a daily basis; crossing in "sheet-flow" style. Bicyclists have difficulty accessing businesses and residential areas in a safe manner, often riding on the sidewalks or against the flow of traffic. Further, transit patrons often have difficulty (particularly mobility challenged persons) accessing bus stops because of inadequate curb treatments, lack of bus "pull-outs" or interaction with bicyclists on the sidewalks.

Mr. Rao developed specific strategies in solving these multi-modal safety concerns for the Hillsborough County Traffic Services Division's review, developing alternative conceptual plans suitable for a "Complete Streets" approach. Angelo authored the working draft document entitled, "*Fletcher Avenue: Pedestrian Safety Action Plan (Draft)*" dated April 9, 2010, recommending solutions for the County's consideration.

CONTACT:

Mr. Peter Brett, P.E.
Hillsborough County
Traffic Services Division
601 E. Kennedy Boulevard
Tampa, Florida 33601
Phone: (813) 307-1719



(Individual experience of Mr. Angelo Rao, P.E., while with another firm.)

SR 580 PEDESTRIAN SAFETY STUDY AND CONCEPTUAL DESIGN

Dunedin, Florida

Owner: City of Dunedin**Completion Date:** 2009**Scope of Services:**

- Determine actions of pedestrians' and bicyclists' considering at least four separate corridor segments
- Conduct access management review considering potential left-turn closure alternatives
- Conduct stakeholder public meetings
- Prepare conceptual safety plans to enhance pedestrians' and bicyclists' safety
- Prepare a graphical and comprehensive multi-modal cross-sectional plan utilizing four typical sections and longitudinal use
- Establish future plans visioning with the City Commission and business owners

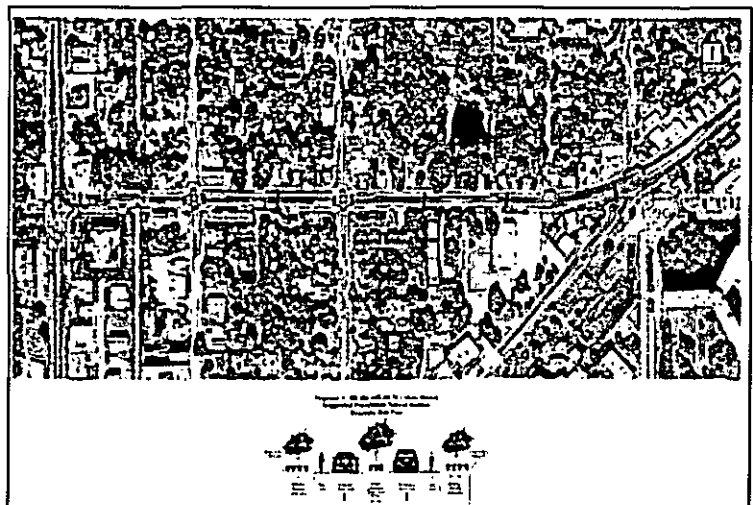
The City of Dunedin has established SR 580 (Main Street), a major arterial roadway through the heart of the City, as a gateway joining business establishments with the downtown and the waterfront. The project involved developing comprehensive strategies to encourage pedestrian, bicycle, and transit patrons to utilizing the roadway in a "Complete Streets" manner. Mr. Rao analyzed the operation of the corridor and concluded that the roadway clearly operates as four separate segments; each offering a different strategy for solutions. These segments included a seven-lane portion permitting the inclusion of landscaped medians and bicycle lanes; a transitional five-lane section; a five-lane section facilitating median pedestrian refuge islands with adjacent bicycle lanes; and a four-lane (with potential road-dieting to two lanes) with median pedestrian refuge islands with adjacent bicycle lanes and land use accommodations for future urban development growth.

This project required working closely with the Florida Department of Transportation, several City departments, and the business community.

CONTACT:

Mr. Robert Ironsmith
CRA Director
City of Dunedin
737 Loudon Avenue
Dunedin, Florida 34698
Phone: (727) 298-3204

(Individual experience of Mr. Angelo Rao, P.E., while with another firm.)



NEIGHBORHOOD TRAFFIC CALMING (NTC) PROGRAM

St. Johns County, Florida

Owner: St. Johns County

Completion Date: Ongoing

Scope of Services:

- Conduct independent Speed & Volume studies, score project using Priority Ranking system (PRS) matrix.
- Meet with project initiator/homeowners to discuss process, issues, and concerns and prepare preliminary traffic calming plan & impact area for presentation at a second public meeting.
- Prepare/conduct Second Public Meeting with a view to soliciting final comments for consideration of the development of a traffic calming plan ballot (prepare ballot, assist in its tabulation, and report results).
- If ratified by resident ballot vote, work with the County to establish a formal approval process including the Board of County Commissioners, budgetary elements, design, and construction engineering inspection services.

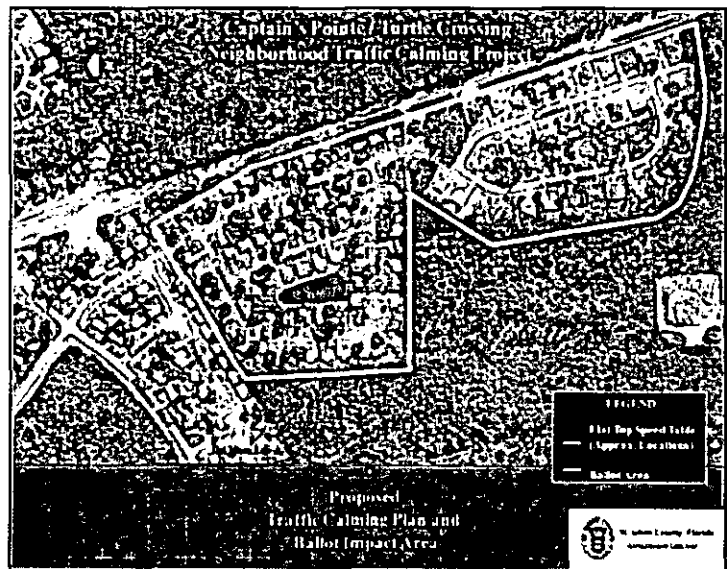
St. Johns County established a Neighborhood Traffic Calming (NTC) Program in August of 2006. Mr. Rao authored the program process and procedures of the NTC program and has been exclusively operating the system since that date on behalf of St. Johns County. This program has investigated over 30 potential traffic calming candidate neighborhoods with over 550 residents attending the public meetings.

The program is a "grass roots" founded function of the Traffic Operations Section and has fulfilled the needs of numerous neighborhoods ranging from operational safety to speed mitigation. The program also establishes a close relationship with the St. Johns County Sheriff's Department who provide on-site services and public outreach.

CONTACT:

Mr. Greg Kennedy
St. Johns County
Traffic Operations Section Manager
2740 Industry Drive
St. Augustine, Florida 32084
Phone: (904) 209-8864

(Individual experience of Mr. Angelo Rao, P.E., while with another firm.)





2. Provide names and descriptions of projects for which the firm is presently under contract that demonstrate capabilities and qualifications for this work category.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
<i>Continuing Consulting Engineering Services</i>	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
<i>General Engineering Consultant Services</i>	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
<i>Civil Engineering Services, Continuing Supply</i>	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
<i>Continuing Consulting Engineering Services</i>	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

3. Describe the Firm/Joint Venture's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for this Work Category.

The LPA Team assures that current design standards and processes and procedures are followed for all projects by following an approved quality control procedure. All staff are trained in the QC procedures and all LPA project managers review the QC procedures to ensure that they are adhered to for all assignments.

QUALITY CONTROL/QUALITY ASSURANCE

LPA's Mission Statement requires delivering a quality product that exceeds our clients' expectations for accuracy, innovation, and timeliness. To ensure compliance with these requirements, LPA has established strict procedures to monitor the quality of the construction plans and other documents.

The issue of quality at LPA goes above and beyond production control of the actual documents and plans. LPA, through its association with the American Society for Quality Control and local area quality councils, is committed to the quality improvement process.

The responsibility for quality control rests with the Team's Project Manager. This leader is responsible for ensuring that all elements of the design receive the appropriate reviews (plans checking, quality reviews, and peer reviews). In addition to scheduled reviews, periodic reviews will also be performed by senior members of LPA who are not directly associated with the project. LPA's quality program not only incorporates the review and checking of documents and plans, but also recognizes the importance of continuous training of managerial as well as technical personnel.

The Quality Control Procedures for these projects include the following basic elements:

- **Pre-Project Meetings:** These meetings will be attended by all prospective team members to develop concepts and strategies that will guide development of the plans and specifications, define communication lines, delegate responsibilities, establish financial objectives, and set deadlines.



- Project Kickoff Meeting: After receiving the Notice-to-Proceed, the project team members will meet to discuss the scope and to plan for the Project Kickoff.
- Quality Reviews: The Senior Engineers will participate in every stage of the review process to minimize deficiencies, such as errors or omissions, which can result in rework and change orders during construction.
- Design Reviews: In addition to the Design Engineering reviews that will take place at the Preliminary and Pre-Final design stages, all design and plan production elements will be continuously checked during production for accuracy and adherence to the scope of the project.
- Final Review: This review will incorporate all comments from project team members, clients, and quality control reviews to create a library edition of the project documents that can be used for future training and reference.

Specific features of LPA's Quality Program include:

- Team Approach: All project team members will be involved from the beginning so that each member understands the project concepts and individual commitment and involvement are maximized.
- Database: In addition to utilizing the County's and FDOT's standards, details, and technical specifications, the project team is able to incorporate a vast number of construction details and supplemental specifications from LPA's database that has been gathered through many years of experience in road and bridge design.
- Project Accountants: Each project team includes a member of LPA's financial team who coordinates financial details for the duration of the project. Monthly reports will be submitted as required by the County.
- Constructability Review: A Senior Construction Manager familiar with the site and similar type projects will conduct a Constructability Review at the Pre-Final design stage. The results are shared with the project team so that pertinent issues can be incorporated into the final plans.

The project team members believe that applying each of the Quality Control elements listed above will allow LPA to provide a high quality product that meets the established schedule and addresses all tasks identified in the project scope. As illustrated in other sections of this proposal, the project team has historically been successful in delivering a quality product within schedule and within budget.

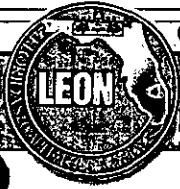
METHODOLOGY FOR CORRECTING ERRORS AND OMISSIONS

LPA believes and instills in its entire staff, the principle that the best method for preventing error and omissions in design and construction is a solid, well-articulated and effective Quality Control Program. Quality control and quality assurance in the design process help assure that errors and omissions in construction plans are eliminated. Errors or omissions detected in the design process during the quality control process are corrected prior to submission of the drawings. In the unlikely event that plans go to construction and an error or omission is detected, the following corrective action would be implemented:

1. Review and correct the error by revision to the plans.
2. Coordinate with the contractor for corrective action if the project is under construction.
3. Assure if possible that no delay to existing construction projects occur.
4. Review the error or omission to find the source, to find how it was not detected in the quality review process, and to implement corrective action to assure it does not reoccur.

As a back up and as required by the County, THE LPA GROUP INCORPORATED carries appropriate level of errors and omissions insurance. The insurance provides ultimate recourse to the County and provides protection to the County and the public against damages due to errors and omissions in design plans.

THE LPA GROUP INCORPORATED has no recent examples of projects in which the previous steps have had to been implemented. The LPA Quality Control Plan is an effective tool in the prevention of errors and omissions in design plans, and will be utilized on all County projects and assignments to prevent errors from occurring.

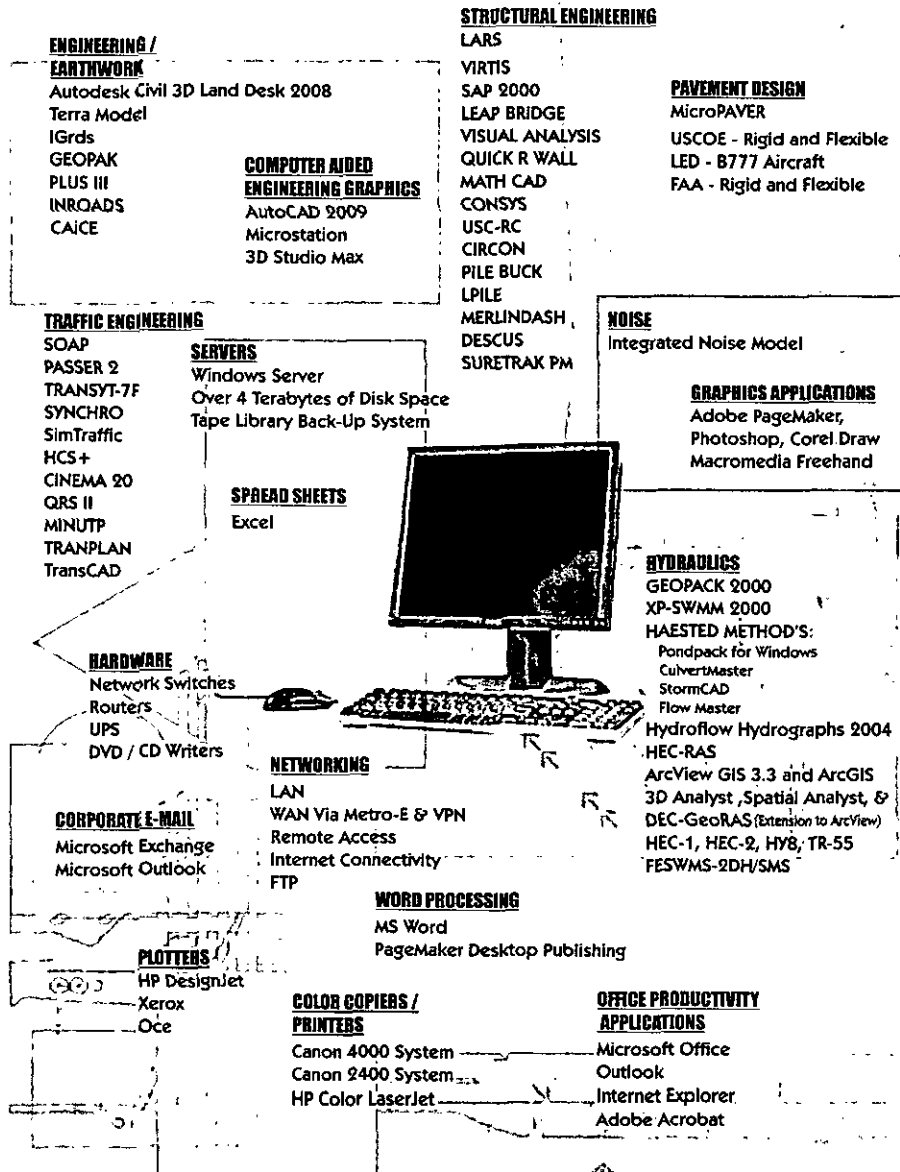


4. Describe basic and special resources available to the firm for the performance of the duties that may be assigned in this work category. Examples would be specialty software, equipment, computers, vehicles, etc.

COMPUTER RESOURCES

THE LPA GROUP INCORPORATED recognizes that Information Technology (IT) plays an essential role in the engineering, architecture, and planning process. We are committed to updating and maintaining state-of-the-art computer and networking capabilities in order to best serve our clients and improve our work process. We know that the utilization of computer technology by our qualified and talented personnel insures accuracy, enhances productivity, and lowers overall project and associated overhead costs.

All LPA offices are connected by a Wide Area Network (WAN) via a Frame Relay Network and Virtual Private Networking (VPN) connections through various Digital Subscriber Link (DSL) providers. In addition, all mobile users have access to all WAN resources using dial-up Internet accounts and VPN connections as well.





CURRENT DESIGN STANDARDS

The LPA Team is familiar and trained in the use of all appropriate design standards for any of the possible assignments under this contract. This includes FDOT and other state agencies, Federal and local design standards that may apply to each specific assignment. For each assignment, the LPA Team will prepare a Project Criteria Document. This document is prepared for every project and will specify which particular design standard and specific criteria within that standard will apply for each assignment. The Project Criteria Document will be completed and submitted to Leon County Public Works for concurrence prior to commencement of any work on a specific assignment.

CURRENT TRAINING

To supplement our design experiences and to stay current on recent technology and developments, our staff participates in conferences and seminars. The following is a list of conferences and seminars our staff has recently attended:

- Advanced Maintenance of Traffic (MOT)
- Utility Accommodation
- Long Range Estimates (LRE)
- Specification Package Preparation
- Errors and Omissions
- Microstation V8 Seminar
- FICE/ FDOT Design Conferences and Seminars

Use of the FDOT design requirements as established in the "Greenbook" will be employed, as well as AASHTO and FDOT Standard Indexes. Contractors have familiarity with these standards, and use of these will be to the County's benefit.



C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Given the fiscal constraints of local governments, and Leon County in particular, all budget requirements for projects to be assigned must be met. Describe your methodology for ensuring the schedule is met and for ensuring budget requirements are not exceeded.

The completion of successful projects require that the firm have a thorough understanding of the project schedule and the project budget and that quality design and construction documents are provided to Leon County. The LPA Team is committed to quality in all its assignments and will provide a product that exceeds Leon County's expectations for timely delivery and on (or under) budget design and schedule.

PROJECT SCHEDULE

THE LPA GROUP INCORPORATED will develop a detailed schedule for every project, highlighting the major work efforts with a breakdown of the sub-tasks and corresponding time periods and manpower required to complete the work. Successful completion of the project will necessitate continuous coordination between the County's Project Manager and LPA to ensure strict adherence to the County approved project schedule. The LPA Team will assure that this coordination occurs without burdening the County's staff.

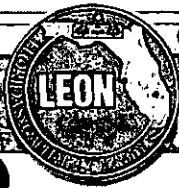
Depending on the type of project, several tasks may become critical to the schedule and the timely completion of the project. These tasks may include:

- Environmental Studies
- Geotechnical Exploration
- Design and RW Surveys
- Traffic Analysis
- Drainage Analysis and Design
- Roadway Analysis and Design
- Bridge/Structural Plans
- Identification of Right-of-Way Requirements
- Utility Coordination and Utility Plans
- Cost Estimates

To ensure compliance with the schedule, crucial tasks will be identified early and multiple teams will be assigned to perform several tasks in parallel.

BUDGET

The LPA Team monitors project budgets continuously over the life of each assignment. Monthly, all LPA Project Managers report project status to their managers. This status evaluates project progress by reviewing the schedule and tasks completed to date. Each month a new 'estimate to complete' is prepared which estimates time and tasks necessary to complete the project. Project schedules are 'resource loaded' with the project budget, which provides a valuable tool to evaluate budget over its life. Monthly, the project is deemed either ahead, on, or behind schedule.



D. EFFECT OF FIRM'S RECENT, CURRENT AND PROJECTED WORKLOAD

1. Provide names and descriptions of projects for which the firm is presently under contract and the anticipated completion dates of those projects.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
<i>Continuing Consulting Engineering Services</i>	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
<i>General Engineering Consultant Services</i>	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
<i>Civil Engineering Services, Continuing Supply</i>	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
<i>Continuing Consulting Engineering Services</i>	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

2. Describe the firm's ability to absorb any projects resulting from this contract.

THE LPA GROUP is committed and available to provide engineering services for any assignment under this contract. LPA has the management tools in place to anticipate upcoming assignments and to assign appropriate staff to complete projects within approved schedules and on or under budget. Specifically, the LPA Team will provide Leon County with the following for these assignments:

FULL SERVICE CAPABILITIES

THE LPA GROUP INCORPORATED is fully capable of acting as an extension of the County's staff to administer all required engineering design services for the preparation of plans and specifications meeting the County's requirements. LPA's transportation experience encompasses a broad range of projects with variable complexities, including minor projects such as roadway milling and resurfacing and stormwater modeling. Major projects include the construction of limited access highways, interchange modifications, and complex bridge designs. The following is a list of LPA's pre-qualification work classes for the Florida Department of Transportation:

- 2.0 Project Development and Environmental Studies
- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Complex Highway Design
- 4.1 Minor Bridge Design
- 4.2 Major Bridge Design



- 5.1 Conventional Bridge Inspection
- 5.3 Complex Bridge Inspection
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3 Traffic Control Systems Analysis, Design, and Implementation
- 7.1 Signing, Pavement Marking and Channelization
- 7.3 Signalization
- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI
- 13.4 Systems Planning
- 13.5 Sub Area/Corridor Planning
- 13.6 Land Planning/Engineering

FAMILIARITY WITH PROJECT

LPA's key personnel have been involved with numerous projects similar to what may be assigned under this contract. We feel we have a clear understanding of the scope of the variety of these projects and can meet all of the County's needs. For a detailed description of our approaches and understandings, see the Section titled "*F. Approach to the Project.*"

ABILITY TO MEET DEADLINES

The Firm has a proven track record in performing and meeting tight schedules. We fully understand that this is a high priority item with clients; therefore, we will meet all deadlines established for your projects. Our past successful experience with On-Call design services is a proven record of our commitment to meet deadlines.

WORK LOAD

The current and projected work commitments for the professional, technical, and supporting staff of LPA are low with respect to the capabilities of the staff to effectively prosecute additional work commitments. We are prepared to begin work on your projects immediately.

PROFESSIONAL INTEGRITY

LPA has been retained by municipalities throughout the United States to provide transportation consulting services. Many of these Clients are repeat clients who demand the utmost in professional integrity and competence from their transportation consultant.



E. EFFECT OF PROJECT TEAM LOCATION

Provide the location of where the project team will predominately reside to conduct the majority of work. If located out of the region, describe the plan for ensuring community involvement and on-site visits.

LPA's Tallahassee office, located off Apalachee Parkway in the Koger Center, is a 15 minute drive from the Leon County Public Works office on Miccosukee Road. All of our subconsultants are also located within the Leon County area. LPA's Tallahassee office is a full-service 25 person engineering office. The Tallahassee office was opened in 1995 and has operated continuously since then. The office can respond quickly to all of Leon County's project needs. Our Tallahassee production office will conduct all work efforts on engineering design services. This office is fully supported by other engineers and designers in Florida and throughout other offices in the southeast United States. Our corporate resources of over 2,900 employees in 85 offices guarantee that we have the available manpower needed to successfully complete this contract. All work efforts will be supervised and coordinated by our Project Manager, Michael Schwier, P.E., the Principal-In-Charge; Gerald Oshesky, P.E.; and the QA/QC Manager, Dan Selman. Each of these staff members are located in the Tallahassee office of LPA.

Our philosophy toward client service has generated a level of trust between LPA and our clients. This philosophy and manner of conducting business provides Leon County with the comfort of knowing that issues are appropriately handled in a professional manner and that you are kept informed of these issues as they arise. We benefit from a significant amount of repeat business, and many of our clients have rewarded us with multi-year, open-ended agreements.



F. APPROACH TO THE PROJECT

Present in brief, concise terms, a summary level description of the company's approach to accepting and completing any specific projects assigned under this contract.

The LPA Team's approach to accepting and completing any specific projects or assignments under this contract are summarized in the following chronological steps which are followed while completing a typical project in this work category.

DATA COLLECTION

Once the funding is in place and the County gives the Notice-to-Proceed, LPA will begin their extensive data collection. (It should be noted that the level of effort varies from project to project and LPA is certainly aware that Leon County operates on a limited budget; therefore, only what is deemed required will be provided to keep engineering fees reasonable.)

FIELD REVIEW

The field review is the first item to be performed by the project team upon receipt of the Notice-to-Proceed by the County. It will include essential members of the LPA staff such as designers, drainage and design engineers. The project is walked from beginning to end and notes are taken. A detailed photo log will be established at this time. Every property will be shown and identified in a sequentially photographed notebook for use as a quick reference during the design process. Notes are taken for potential interferences such as utilities, mailboxes, planter boxes, driveways, trees and anything that may be unique or a source of concern for a resident.

The subconsultants to LPA will be required to visit the site during this initial "walkthrough" as well as at appropriate design phase intervals.

PUBLIC RECORDS REVIEW

Prior to field survey, LPA's public involvement team will research public records to determine property owners and current tenants. A courthouse records search in obtaining tax information, deeds, and plats will assist in providing an address of the property owner. If no information can be found, a flyer with Leon County letterhead and return postage envelope can be placed at the residence requesting this information along with a description of the intent of the inquiry and a brief statement about the project.

Plats and/or physical evidence will be utilized in establishing the Right-of-Way. Depending on the age of the subdivision plat, property owner information may or may not be available. See next section for a further description on how the plats will be used in the field.

This information can be utilized to build a database for Public Involvement aspects of the project.

SURVEY

Information gathered from the public records review will be given to Diversified Design and Drafting Services, Inc.; LPA's subconsultant for use in field surveys. They will bring the plats and metal detectors to the field to assist with the location of the front property corners. Property irons are normally difficult to find and without Plats, that work would be impossible. It is extremely important that a good percentage of the irons are found to assist the re-establishment of the Right-of-Way.

A three-dimensional topographic survey will be performed by electronic data collection for widths that will vary depending on project needs. At a minimum, planimetric features such as fence lines, planter boxes, concrete walks, driveways, tree types and diameters, mailboxes, pavements, drainage structures, will be located and depicted on the plans. 3D data collection will encompass the Right-of-Way corridor plus additional areas beyond the Right-of-Way, depending on terrain and anticipated needs.



Water meters, valves, power poles, hydrants, sewer cleanouts, telephone pedestals will also be located. A locate will be performed by Sunshine-One-Call 72 hours prior to performing survey. A list of all known utilities and contact persons will be provided on the construction plans. The One-Call markings, as painted in the field, will be field located and shown on the plans. This information will be compared to as-built information for best fit. The surveyor will attempt to meet with property owners/residents to obtain their knowledge of underground utilities on their property while performing the survey.

Although the surveyor will certify the correctness of the data by providing a signed and sealed drawing, the LPA design team, including the lead engineer and the designer in charge of the plan production effort, will conduct a field verification using a full size print of the survey to check all visible items were located and are shown correctly. This applies also to contours and confirming all ditches, slopes, grade changes, etc. to make sure they are shown correctly. For a project involving urban/residential streets, it is important to correctly show all features within and adjacent to the Right-of-Way. If not, the design team and the County could be embarrassed during a public meeting or incur a change order for the relocation of an item not previously shown.

UTILITY AS-BUILTS

Sunshine-One-Call will provide a listing of all known utilities in the area along with a contact person. LPA will contact the utility companies by telephone to verify contact information and mailing addresses. A sketch of the project limits will be sent to this individual requesting any as-built information on the buried utilities. Ideally this is done prior to survey to verify and better understand the markings on the ground as painted by the locator service. As-builts will be used to help "piece together" the routing of the underground lines. Further coordination will be required with the utility companies during the design process.

GEOTECHNICAL INVESTIGATION

THE LPA GROUP will employ the services of Environmental and Geotechnical Specialists, Inc. (EGS), a reputable Minority Business Enterprise (MBE) geotechnical firm hired to perform pavement and soil investigation. Pavement cores will be taken at 500' increments but no less than three per project. These cores will determine pavement thicknesses in the event these pavements are not removed and are re-used for the projects slated for reconstruction. Hand augers will determine soil characteristics for a depth of 5' under the pavement. Soil borings will be also be at 500' intervals but no less than 5 per project. The geotechnical report will provide information on soil types, characteristics, pavement section recommendations, soil infiltration rates, existing pavement sections, soil support values, and any areas of possible subsurface excavation. Less, if any, geotechnical data will be required for construction of residential sidewalks only.

Additional geotechnical work will occur if new ponds are proposed for the project after the pond siting report. The investigations that will be required will be double ring infiltrometer (DRI) tests. These tests measure the permeability of the soils and the rate in which rainfall runoff will percolate into the ground.

ENVIRONMENTAL

Early coordination with Growth Management in the form of a pre-application meeting will occur to assure the correct information is gathered up front and to be aware of their concerns for the particular project. Data collection will occur to evaluate maps in regard to wetlands, floodplains, soil data, groundwater data, waterbodies, native forests, and known endangered species. Also, any impact to cultural resources (archeological sites, historic sites) and special development zones will be investigated and determined. After this data is assembled, a field visit will explore within the anticipated project boundaries plus a margin of safety, endangered and/or threatened species, wetlands, wells, significant grades, and protected trees.

Visible utilities are verified to make sure nothing was missed. Utility as-builts are used to check for compatibility with field conditions and the surveyor's interpretation. Missing information and questions will be documented and forwarded to the utility companies for clarification.



ROADWAY CLASSIFICATION

The functional classification of the subject road will be accessed as either local, collector, urban, or arterial as categorized in the Florida Department of Transportation's Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, also known as the "Florida Greenbook." Functional requirements such as speed limit, volumes, and safety will be the key aspects in the design.

IMPROVEMENT SECTION

All design will be done in accordance with the Florida Greenbook, except where the County or LPA has agreed on a variance. Typically, 12' travel lanes and 5' sidewalks are standard. Bicycle lane widths may vary depending on whether they are delineated or shared use. The County has the option of using a utility strip for mailbox and utility pole placement or having the sidewalk adjacent to the curb. If there is no curb, the sidewalk must be placed at a safe distance off the travel way.

A standard roadway section may involve:

- Asphalt- 2" Type S-1
- Base- 8" Limerock
- 12" Stabilized Subgrade
- Sidewalk- Class I concrete (2,500 psi) - 4" typical, 6" at driveways,

DRIVEWAYS

For a roadway re-construction, consideration would have to be given to driveway profiles in that major adjustments to the road profile would translate to significant costs in re-constructing driveways and time delays in obtaining Temporary Construction Easements (TCE). Reconstruction of numerous driveways could add costs, however, a carefully designed roadway profile can translate to limited driveway re-construction and be a cost savings item.

RIGHT-OF-WAY

As much as possible, improvement projects need to confine operation within the Right-of-Way. Where this is not possible, Temporary Construction Easements or Right-of-Way will be acquired. Reasons for acquiring Right-of-Way can be attributed to slopes, drainage, driveway reconstruction, or sight triangles.

UTILITIES

Most difficulties during the construction process arise out of poor utility company coordination and planning. LPA will work with the utility companies from early on to determine locations of existing lines and owners. Utility relocation plans will be submitted early in an effort to relocate prior to our project's critical path. Prior to construction start up, LPA will meet with the utility owners on site to develop a strategy and a schedule for relocation.

ADA COMPLIANCE

The Americans with Disabilities Act (ADA) of 1990 sets guidelines for accessibility to places of public accommodation and commercial facilities by individuals with disabilities. This most directly affects these projects at intersections and driveways to ensure the cross slopes of the sidewalks do not exceed 2% and ramp slopes are not in excess of 1:12. Also, where these projects tie into other roads owned by the Department of Transportation or the County, upgrades to their facilities will be required. Specifically, the ADA and the Department no longer accept the tactile surface on the ramp. Truncated dome surfaces are now the preferred warning device and will have to be implemented when new construction is occurring.

Drainage inlets in the center of radii may interfere with proposed curb ramps and may require removal. "Flanker" inlets can be installed at each end of the radius to solve this problem.



STORMWATER MANAGEMENT

Please refer to the "Stormwater Engineering" Work Category for a detailed description of services.

EROSION CONTROL

A Stormwater Pollution Prevention Plan (SWPPP) as stated under the National Pollutant Discharge Elimination System (NPDES) will be assembled by the LPA team which will address issues such as runoff from the construction site, protection of wetlands, placement and maintenance of erosion control devices, temporary and permanent seeding or sod, and inspection schedules.

ENVIRONMENTAL PERMITTING

A pre-application meeting will be held with Growth Management early in the design process to discuss the project and ways to avoid environmental impacts. At this point the design team will have a good understanding of Growth Managements concerns and proceed with the design to best avoid impacts. This will be considered when evaluating locations of storm treatment facilities, drainage pipes, and sidewalks.

The stormwater discharge permitting authority for construction activities in the State of Florida has recently changed. The State of Florida Department of Environmental Protection (DEP) is now the sole permitting authority for stormwater in Florida. This means the Environmental Protection Agency (EPA) is out of the picture and the EPA National Pollutant Discharge Elimination System (NPDES) General Permit is no longer valid. It has been replaced with the new DEP Generic Permit for Stormwater Discharge from Large and Small Construction Activities. Upon completion of the plans, the Notice of Intent (NOI) General Permit must be submitted to the DEP.

The project team, with its highly qualified drainage engineers and locally experienced environmental personnel, will help the County acquire permits quickly and efficiently.

TRAFFIC AND INTERSECTION ENGINEERING

Leon County is facing growth demands that are impressive and will require exceptional transportation planning, engineering, and operational solutions. Good transportation includes the delicate balance between land use and roadway design for all users.

The LPA Team can assist the County in meeting and/or utilizing the:

- Traffic signal mast-arm warrant study, design, and construction engineering program;
- Sidewalk enhancement / safe routes to school;
- Aerial-based collision diagram system useful at controversial public meetings;
- Long term modeling program;
- Development of complete streets approach to transportation engineering (transit, pedestrian, and bicyclists) providing walkable yet capacity sensitive street systems;
- Needs to beautify the County by providing enhanced landscaped medians which also provide traffic calming and provide refuge for non-motorized users; and
- Continue to work needs of the County while construction activities progress (Maintenance of Traffic operations).



LPA has a proven record of performing a wide range of traffic engineering tasks for local and state governments. LPA's traffic engineering staff is capable of developing improved operational functions involving intersections, traffic signal systems and roadway studies. LPA's technical traffic engineering experience and expertise will provide the County with access to staff well versed in the planning, design, construction and maintenance of traffic systems. The Team has specific expertise in traffic signal planning, analysis, design, operations and inspection services; roadway design; traffic calming applications; bicycle and pedestrian



planning and design; roadway characteristics inventory; traffic speed/volume studies; origin/destination studies; time and delay studies; and Capital Improvement Planning (CIP) activities. LPA staff has also successfully conducted over 300 field traffic data collection assignments on behalf of local and county governments in the last 3 years.

MAINTENANCE OF TRAFFIC

Inconvenienced motorists and property owners are the source of perhaps the majority of telephone call complaints to the Project Manager during construction. The Traffic Control Plan (TCP) for the project addresses maintenance of Traffic (MOT) issues. The TCP identifies strategies to safely accommodate traffic driving through the construction area, while allowing residents access to their property.

It will be the approach of the design team, as much as is possible, to utilize standard drawings and schemes which have been detailed in the FDOT Design Standards (Series 600) and the Manual on Uniform Traffic Control Devices (MUTCD). These publications provide accepted techniques for maintaining traffic through work zones. In addition, the plans will include TCP sheets to detail construction sequencing, site-specific requirements for traffic flow, regulatory speeds, signing, and possible lane/road closures. The TCP will also include typical sections to delineate such things as lane width, traffic direction, drop-off conditions, and temporary drainage during construction.

Close attention will be paid to safely maintaining traffic at intersections within the limits of the reconstructed streets.

The traffic plan will include provision for utility construction and relocation prior to and during roadway construction. Utility coordination and inclusion in the review of the TCP will be necessary to avoid delays and inconvenience to residents and utility customers.

Planning for the safe flow of local and through traffic within the work zone will begin in the early stages of the design effort. Design issues (which include MOT) must be a part of the communication efforts between the design team, the affected residents, and the general public.

Coordination with the postmaster during phases that may be inaccessible during construction is good practice for assuring non-interrupted mail delivery. Possible solutions during construction phases is a temporary centralized grouping of the mailboxes constructed by the contractor.

Traffic Control Plans will be closely coordinated with Stormwater Pollution Prevention Plans, the Stormwater Management and Surface Water Permit, the NPDES/EPA Permit, the Drainage Plans, and the Roadway Plans to ascertain that all the requirements of erosion control will be met at all times. The Traffic Control Plans will be an integral part of the overall site-specific erosion control plan. This will allow the usage of the permanent drainage system for temporary drainage whenever possible, thus lowering the overall construction cost while maintaining an environmentally sound plan.

COST ESTIMATING

LPA shall perform pre-construction cost estimates early in the design process, and continuously update them throughout the project schedule, mainly at each phase submittal, to verify the project is within budget. Previous bid tabulations from prior LPA projects in the Leon County area, and historical unit costs from the DOT estimates web page, will be used as a tool for estimating total project costs. The design team recognizes the importance of an accurate estimate to avoid the expense of canceling the project or delay while trying to secure additional funds after the bids are opened.

UTILITY COORDINATION

The preliminary plans are sent to the utility companies for review and comment. A record of the transmittal letter is kept in the project files as evidence of the coordination effort. The following represents key elements of utility company and County coordination efforts that will be performed by the LPA Team:

- Phase I – Set up meeting on site with utility owners. Provide them with a copy of the survey as-builts (if provided) prior to meeting. Ask for verification of surveyed data pertaining to their lines.



- Phase II – Submit preliminary plans to utility owners showing design and potential conflicts. Request comments by a certain date and meet again on site if necessary.
- Phase III – Re-submit plans to owners for verification. Request utility relocation schedule and cost.
- Phase IV – Incorporate any changes requested by utility owners and submit for final review and relocation schedule (if no changes were made after Phase III, this phase can be eliminated).
- Incorporate relocation schedule with bid documents.

RIGHT-OF-WAY MAPS

From the data collection phase, property owners' information, street addresses, and front property corners have already been identified. This will be assembled on a spreadsheet and also put directly into the plan set. Design development will proceed to such a point where the plans are roughly 90%. It is at this point where the design has proceeded to such an extent that the cut and fill limits, driveway profiles, locations of sediment basins and detention ponds are well established and are not likely to change. A set of Right-of-Way sketches and legal descriptions will be prepared by Diversified Design, and Drafting and be sent to the County for review and comment and to begin the acquisition phase.

If Right-of-Way services are included in the scope of services for any assignment under this contract, LPA's team will provide the maps and legal descriptions for the County for Right-of-Way acquisition, and Temporary Construction Easements for slopes and driveways as required to implement the project.

COMMUNICATION

Plan phase submittal, coordination meetings, review meetings, telephone calls, e-mails, letters, memos, and meeting minutes are all to keep the County and project team abreast of the project status and avoid "working in a vacuum." This will also apply to subconsultants to make sure they are in line with the schedule, are abreast of new developments and are aware of design decisions that will affect their work. Since LPA's staff is responsible for the design, it is a benefit that they are located in one office here in Tallahassee in that coordination meetings can take place daily and in person.

TYPICAL PLANS MAKEUP

- Key sheet
- Summary of Pay Items
- Drainage Map
- Typical Section
- Summary of Quantities
- Plan and Profile
- Sidewalk/Curb Profiles
- Traffic Control Plan
- SWPPP Plan
- Signing and Marking Plan
- Cross Sections

SPECIFICATIONS

Since LPA has been doing work for the Federal Government (specifically the FAA in airport design) for over twenty years and has been involved in FDOT full service contracts, the firm has much experience in writing and assembling specifications. The FAA has always utilized the consultants to organize the Bid Documents, Technical Specifications, General Conditions, etc. Whenever possible, FDOT specifications will be incorporated into the design since the contracting companies are most familiar with their standards.



COMMUNITY INVOLVEMENT

The commitment to our clients is a proactive public involvement program that invites public feedback; educates the community, including the media, on the issues being studied; supplies accurate project information; facilitates communication and coordination with residents, businesses, government partners and organizations; creates and distributes project information materials; and works to resolve public inquiries and issues.

The LPA Team is prepared to commit the necessary staff and support to exceed expectations and will represent you with the utmost professionalism and in accordance with established policies and procedures.

For larger projects, Web sites have been developed and maintained with links to local sites, and have experience in coordinating links to project plans and station-specific photos in an effort to supply as much information to the public as possible.

As a result of the participation in the Blueprint 2000 GEC program, the community involvement staff have developed extensive databases and contacts with County, City and State Public Information offices, as well as community activists of all causes. This results in an experienced, comprehensive approach to any of the County's task assignments that may warrant Community Involvement.

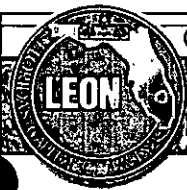
POST DESIGN SERVICES

A successful project does not end at the submission of final plans. LPA project managers pride themselves on the constructability of their projects and the limited amount of change orders. The Post design services offered by LPA and the LPA Team have proven to be invaluable cost and time savers to previous clients. Please refer to the "Construction Engineering and Inspection Services" Work Category for a detailed description of services.

BIDDING

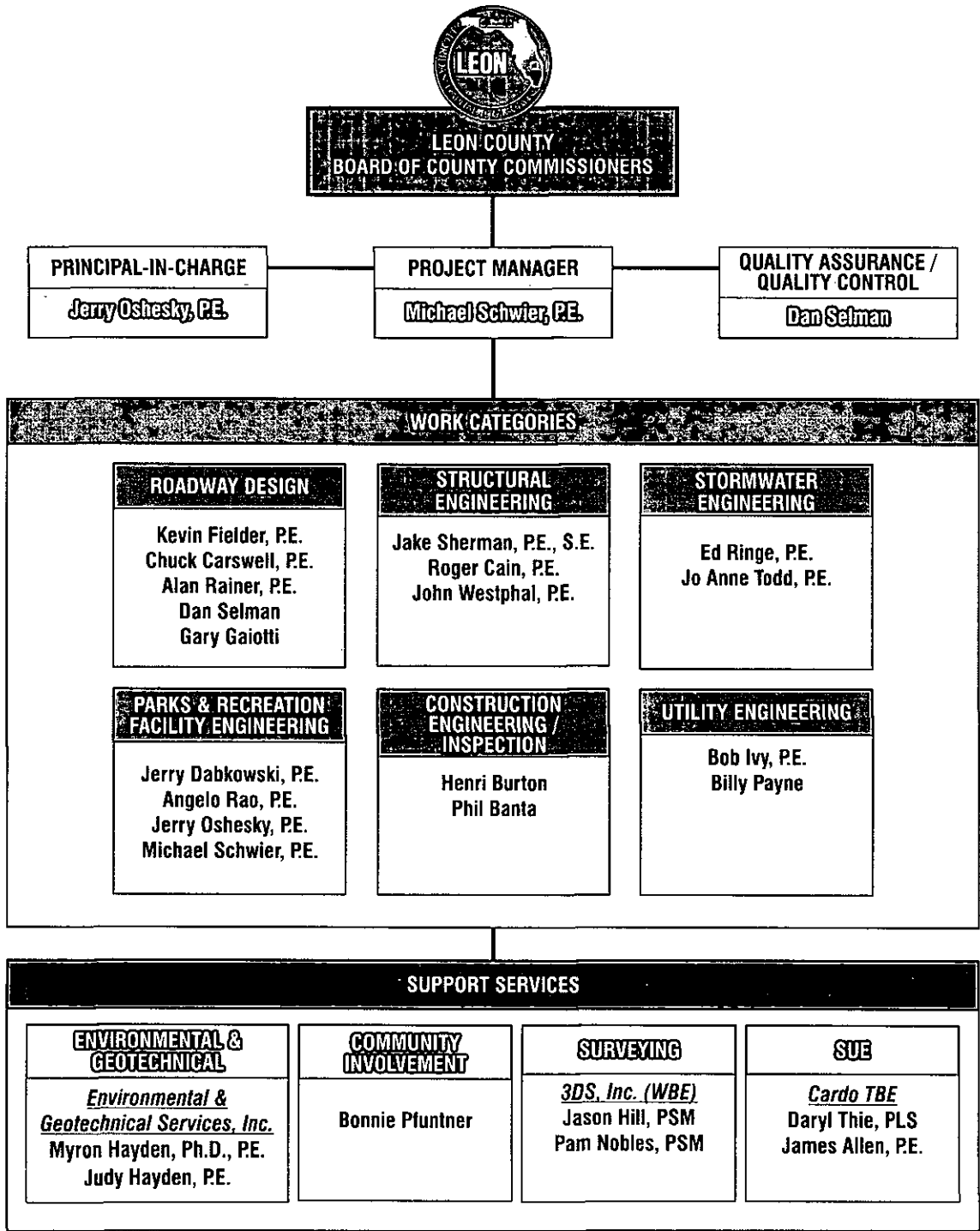
THE LPA GROUP is fully capable of providing bidding phase services to the County. The bid process assistance LPA can provide can be any or all of the following:

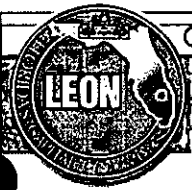
- Prepare for and attend the Pre-Bid Conference;
- Prepare addenda as necessary;
- Respond to Requests for Information (RFIs);
- Attend the bid opening;
- Assist the County in tabulating and evaluating bids;
- Assist in the contract award and preparation of construction contract documents; and
- Contact local contractors to make them aware of the Invitation for Bid.



A. ABILITY OF PROFESSIONAL PERSONNEL

1. Provide the total number of professionals in your organization who may be assigned to this category of project and their availability to provide services on relatively short notice for the small to medium size projects that are contemplated in this contract.





Work Category	Personnel	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12
Stormwater Engineering	Ed Ringe, PE.	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%	60%
Stormwater Engineering	Jo Anne Todd, PE.	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Dan Selman	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Kevin Fielder, PE.	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Chuck Carswell, PE.	40%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Alan Rainer, PE.	20%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Gary Gaiotti	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Structural Engineering	Jake Sherman, PE., S.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	Roger Cain, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	John Westphal, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Henri Burton	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Phil Banta	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Jerry Dabkowski, PE.	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Angelo Rao, PE.	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Parks & Recreation	Jerry Oshesky, PE.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Parks & Recreation	Michael Schwier, PE.	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Utility Engineering	Billy Payne	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Utility Engineering	Bob Ivy, PE.	50%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Community Involvement	Bonnie Pfuntner	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%

2. Give brief resume of key persons to be assigned to the project, including but not limited to: 1) Name & title 2) Job assignment for other projects 3) How many years with this firm 4) How many years with other firms 5) Experience a) Types of projects b) Size of projects (dollar value and scope of project) c) What was the specific project involvement? 6) Education 7) Active registration 8) Other experience and qualifications relevant to this project.

The resumes can be found on the following pages.

QUALIFICATIONS:

B.S., Civil Engineering, 1964
West Virginia University

B.S., 1962
Davis & Elkins College, Elkins, West Virginia

REGISTRATION:

Professional Engineer (FL #13580)

**PROFESSIONAL
EXPERIENCE:**

1964 - 2011 (Career)
2003 - 2011 (LPA)

Senior Drainage Engineer
THE LPA GROUP INCORPORATED

Mr. Ringe specializes in roadway and storm drainage design, bridge hydraulics design, stormwater management systems and stormwater master plans. During a career that spans over 45 years, Mr. Ringe's experience includes roadway and drainage design from 3-R multi-lane reconstruction to limited access projects, drainage studies and remediation design, stormwater management design and master planning and post-design construction services enhanced by a background in roadway construction, materials testing, precast and prestress concrete inspection. As a senior drainage engineer and diverse background, Mr. Ringe is able to provide outstanding QC expertise.

AREAS OF EXPERTISE:

- **Roadway Design**
- **Bridge Hydraulics Design**
- **Stormwater Management Systems**

Following 30 years of progressively responsible service with the Florida Department of Transportation from June 1964 - June 1994, Mr. Ringe has continued his career in the private sector by providing senior stormwater management, and drainage design and quality assurance services on many FDOT, County and Municipal projects.

LPA project experience:

Mr. Ringe has been responsible for stormwater/hydraulic design, and highway design support on:

- Holmes County Bridge Replacement Project for FDOT District Three – Sr. Drainage Engineer for replacement of one-lane timber bridges with bridge culverts on Corinth Road over Otter Creek and Bonifay-Chipley Road over Camp Branch.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Sr. Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 from Lost Creek Bridge to US 98, in Wakulla County for FDOT District Three – Bridge Hydraulics, Drainage Design and Permitting for four mile widening and realignment from two-lane rural to four-lane urban with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement.
- SR 10 (US 90) Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, in Leon County for FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.
- SR 20 (US 27) from Leon Co. Line to Waukeenah in Jefferson County for FDOT District Three – Milling and resurfacing of a 13 mile segment of a four-lane rural roadway including evaluation and recommendations of all existing drainage facilities for serviceability and function.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Agricultural Interdiction Station on I-95 in Nassau County for FDOT District Two – Drainage design and permitting for site expansion of existing facility including interstate ramp widening.
- Agricultural Interdiction Station on I-10 in Escambia County for FDOT District Three.
- Blueprint 2000 (a City of Tallahassee/Leon County joint agency): Ed provided technical development of the Blueprint 2000 stormwater technical specifications and standards and project concept reports. He also provided technical review support on proposals for three segments of the Capital Circle projects totaling eight miles. These projects were for the reconstruction of the two-lane rural truck route around Tallahassee to a six-lane urban curb and gutter roadway, including sidewalks and a meandering trail using both design/bid/build and design/build contract formats. Ed also served as the GEC Project Manager on the first Capital Cascades Trail Master Plan project, and remains the hydrologic technical advisor for the Capital Cascade Trail project. Capital Cascade Trail is a 4+ mile restoration of the St. Augustine Branch from a ditch to a linear trail and improved conveyance system to address stormwater treatment and attenuation facilities to reduce flooding in downtown Tallahassee. Ed is also responsible for stormwater management and drainage design review for the other Blueprint 2000 projects as an on-call staff member of the GEC.
- John James Audubon Bridge, Louisiana (2004 - Present): Ed Ringe acted as an owner's representative in the development of the Hydrology (roadway drainage) technical specifications for the Louisiana Timed Managers (LTM) on the J.J Audubon Bridge project. LTM is the GEC for the Louisiana Department of Transportation and Development (LDOTD). J.J.Audubon Bridge is a 1583' cable-stayed bridge structure over the Mississippi River, over 12,000 linear feet of approach bridge structures and over 12 miles of new roadways, connect US 61 in West Feliciana Parish, LA to LA Route 10 in Pointe Coupee, LA. Approaches to the main bridge, as well as various bridges along the alignment consist of conventional steel and concrete girder structures. Ed subsequently served on the technical evaluation committee for the approach roadway and drainage component and also on the main channel structure scour technical proposal evaluation. The project technical specifications allowed the use of the FDOT scour equations and procedures for complex piers on all bridge structures.

Project experience prior to LPA:

As Senior Stormwater Engineer, Mr. Ringe has been responsible for the stormwater/hydraulic design on numerous major public work projects for FDOT:

- FDOT, Hopkins Creek Design Build District 2 (Design Project Manager)
- FDOT, US 98, Bay County – 3-level phased interchange at Thomas Drive
- FDOT, SR 79, Bay County, 3 projects – 2 to 4-lane reconstruction - 17 miles
- FDOT, SR 202, Duval County – 4 to 6-lane reconstruction - 5 miles on site Stormwater treatment
- FDOT, I-75, Hamilton County – 4 to 6-lane reconstruction - 28 miles
- FDOT, SR 261, Leon County – 2-lane RRR project - 4 miles
- FDOT, SR 16, St. John County – 4-lane reconstruction and bridge replacement

QUALIFICATIONS:

REGISTRATION:

**PROFESSIONAL
EXPERIENCE:**

B.S., Civil Engineering, 1981
University of Alabama

Professional Engineer (FL #38850)

1981 - 2011 (Career)

2005 - 2011 (LPA)

Stormwater Engineer
THE LPA GROUP INCORPORATED

Ms. Todd specializes in the design of stormwater management systems.

LPA project experience includes:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Pensacola Regional Airport Rental Car Facility – Stormwater design and permitting.
- SR 61 from Lost Creek Bridge to US 98 – Wakulla County, Florida, FDOT District Three – 4.1-mile widening and realignment from two-lane rural to four-lane urban and suburban roadway with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement and stormwater design.
- SR 10 (US 90 Drive) from Dempsey Mayo to four-lane at I-10 interchange – Leon County, FDOT District Three – Reconstruction of a three-mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks that also included stormwater design and permitting.
- SR 30 (US 98) over Bayou Chico; Escambia County, Florida – Stormwater design, Bridge Hydraulic Report and permitting for a bridge replacement and roadway improvements.
- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Subconsultant role for the design and permitting of drainage and stormwater facilities on roadway widening from five lanes to seven lanes.
- City of Tallahassee, Tallahassee Regional Airport – SIS Connectors – Performed drainage design services in widening turn lanes, drainage improvements, and access management – 1.35 miles.
- Northwest Florida Regional Airport Rental Car Facility – Stormwater design and permitting.
- Agricultural Interdiction Station on I-95, Nassau County, FDOT District Two – Site expansion of existing facility including interstate ramp widening and stormwater design and permitting.

Project experience prior to joining LPA includes:

- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Project Engineer for the design, permit drainage and stormwater facilities on roadway widening from five lanes to seven lanes.

AREAS OF EXPERTISE:

- *Stormwater Design*
- *Stormwater Master Plans*
- *Permitting*

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Parker Master Plan and Inventory, Parker, Florida – Consultant on this project to inventory all drainage structures and pipes 18" and larger within the city. The project also included establishing watersheds and developing a Stormwater Master Plan for the city, including conceptual plans for budget and priority planning.
- Parker Bayou North Watershed, Parker, Florida – Consultant on the design and permit construction plans to implement improvements on this watershed.
- Martin Lake South Watershed Implementation Project, Parker, Florida – Designed and developed construction plans to address water quality and flooding issues within this watershed and for the stormwater management facilities and conveyance improvements for the PEEP Park project within the watershed.
- Callaway Stormwater Master Plan, Callaway, Florida – Stormwater facility inventory and watershed analysis.
- Stormwater Improvement Projects: Plantation Way; Donna Avenue / Howard Road; Chico Lane / Hugh Thomas Drive; and LaCosta Avenue, Callaway, Florida – Evaluated drainage problem areas which were causing flooding and related pavement problems. Developed design and construction plans to correct the identified problems.
- SR 16, FDOT, St. Johns County – Project involved a four-lane reconstruction with curb and gutter, including a bridge replacement. Project Engineer on the design and permit construction plans for a stormwater treatment system.
- I-75, FDOT, Hamilton County – Project Engineer on drainage redesign and roadway widening from four lanes to six lanes involving 28 miles of Interstate 75.
- SR 261, FDOT, Leon County – Project Engineer on resurfacing, reconstruction, and rehabilitation including drainage design.

PROFESSIONAL EXPERIENCE:

1977 - 2011 (Career)

2002 - 2011 (LPA)

Project Manager

THE LPA GROUP INCORPORATED

Dan has over 33 years of engineering experience in virtually all disciplines of Highway Engineering including GEC Contract Management, Roadway Design, Surveying and Construction Management. Dan provides technical expertise and Quality Assurance and Quality Control for LPA's FDOT projects. Dan has served as Project Manager and Senior Designer on several FDOT widening and milling and resurfacing, reconstruction and realignment projects. The table below lists some of those projects and the grades each one received.

Project / District	Components	Final Grades
US 27 (SR 20)	7 miles of resurfacing	Quality 4.0 (new grading system)
I-75 widening projects D2	30 miles of resurfacing, widening and safety modification	Design 92 Construction 100
SR 16 Lewis Speedway to CSX RR / D2	New alignment 4-lane urban	Design 94 Construction 100
SR 263 at US 27	Intersection improvements/ right turn lane design	Design 95 Construction 97
SR 263 NW resurfacing D3	2.5 miles of resurfacing, safety modifications and stormwater improvements	Design 92 Construction 94

AREAS OF EXPERTISE:

- Project Management
- Program Management
- CEI Services
- Roadway Design
- Surveys

LPA project experience includes:

- Neighborhood Enhancement Program for City of Tallahassee – Project Manager for GEC contract, included consultant project management, plans review, contract administration and preparation of scope documents.
- SR 128 from Lane Ave. to Cassett Ave. in Duval County for FDOT District Two – Quality Assurance/Quality Control Manager for milling and resurfacing of a one mile segment of four-lane urban roadway with curb and gutter and sidewalks.
- Olustee Creek Crossing in Union County for FDOT District Two - Project Engineer for milling and resurfacing of one mile of 2-lane rural highway.
- SR 20 (US 27) in Jefferson County for FDOT District Three – Project Engineer for seven miles of resurfacing of 4-lane divided rural highway.
- Turnbull Creek Bridge Replacement in Volusia County for FDOT District Five – Project Engineer for roadway reconstruction. Duties included maintenance of traffic design, signing and pavement marking design for approaches and temporary bridge.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Quality Assurance/Quality Control Manager for milling and resurfacing of one-mile segment of four-lane urban roadway. Prepared ADA Report for existing sidewalk, including ramp, driveway and cross slope analysis.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 8 (I-10) at SR 95 (US 29) Post Design Services in Escambia County for FDOT District Three – Project Engineer for widening of off-ramp, and frontage road to serve businesses.

Mr. Selman's experience while with other firms includes the following:

- Project Engineer (Design) and Project Manager for all phases of design and management for FDOT and County highway facilities. Duties included design conformance assurance with AASHTO and FDOT criteria, initiated TCP concepts, permitting, providing subconsultant coordination, and directed survey activities. Quality control team leader for all phase reviews.
- Project Engineer CEI - Responsible for contract administration of multiple projects for I-595 system. Duties included coordination between prime contractor and utility owners, weekly progress meetings, coordinated design changes and provided technical details, prepared supplemental agreements and change orders, prepared weekly summaries and monthly estimates, directed survey crews on pre and post construction requirements and performed horizontal and vertical control survey verification.
- CEI Advisory Member - Provided technical assistance for CEI teams statewide. Duties included specification and special provision interpretation, claims review and analysis.
- Assistant Survey Project Manager - Responsible for administration of Districtwide design and right-of-way surveys and miscellaneous County, City and private surveys.
- Project Manager and Senior Project Design Engineer for the following projects:
 - SR-263, Leon County - 4 miles widening, resurfacing, and intersection improvements. Received a final design score of 93 and a final construction score of 94.
 - SR-263 at SR-63, Leon County - Intersection improvement including right turn lane, access management and CAP Plan. Received final design score of 95. Final construction score of 96.
 - FDOT District Three I-10 Welcome Center.
 - I-75 Hamilton County - 30 miles 6 laning including bridge widening and safety modifications. Project was phased into three, ten-mile construction contracts. Received a final design score of 92 and a final construction score of 100 on all three projects.
 - I-75 Hamilton County - 9 miles milling and resurfacing.
 - I-75, Alachua County - Redesign interchange high mast lighting.
 - SR-16, St. Johns County - Realignment, 4 lane rural to 4 lane urban including new bridge structure and intersection improvement. Received a final design score of 94 and final construction score of 100.
 - I-75, Hamilton County - High mast lighting for SR-51 and SR-143 interchanges.
 - Turnpike, St. Lucie County - Bridge and roadway widening with safety improvements.
 - I-75, Hamilton County - Alternate interchange design concepts including additional LA right-of-way requirements, frontage road design and construction estimates.
 - Lee, Hendry and Hardee County - Miscellaneous City and County street new alignment and 3R related projects.
 - A1A, St. Johns County - Reconstruction of 2 lane rural to 4 lane urban section.
 - SR-12, Gadsden County - Widening, resurfacing and safety improvements.
 - District 3 - Miscellaneous design services.

QUALIFICATIONS:

M.S., Civil Engineering (Transportation), 2004
University of Tennessee - Knoxville

B.S., Civil Engineering Technology, 2003
Southern Polytechnic State University

REGISTRATION:

Professional Engineer (FL #70867)

**PROFESSIONAL
EXPERIENCE:**

1998 - 2011 (Career)

2007 - 2011 (LPA)

Design Engineer
THE LPA GROUP INCORPORATED

LPA experience includes:

AREAS OF EXPERTISE:

- **Transportation Design**
- **Horizontal / Vertical Alignments**
- **Concept Layouts**
- **CAD Drafting**

- SR 128 Milling and Resurfacing, Duval County, FL** - This project involves the milling and resurfacing of a five-lane roadway for the Florida Department of Transportation. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. Serving as design engineer responsible for pavement design, plans production, ADA coordination, utility coordination, quantities and computation book preparation, specifications package and electronic submittal.
- City of Valdosta Program Management, Lowndes County, GA** - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the City of Valdosta, GA. Serving as design engineer responsible for concept development, geometric design, pavement design, plans production, drainage design, quantity calculations and bid package preparation.
- DeFuniak Springs Bypass Feasibility Study, Walton County, FL**. This project involves the preparation of a feasibility study for a 10-mile multi-lane bypass around Defuniak Springs. Currently two corridors are under consideration for this bypass. Serving as design engineer responsible for conceptual alignments and public information displays.
- I-75 at SR 31 Conceptual Phase, Lowndes County, GA**. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing two-lane rural roadway will be widened to a 4-lane urban section with bike lanes, curb and gutter, and sidewalks. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.
- I-75 at SR 133 Conceptual Phase, Lowndes County, GA**. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing 5-lane urban roadway will be widened to a 6-lane urban section with bike lanes with the addition of bike lanes to the mainline. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- I-95 at SR 251, McIntosh County, GA. This project for the Georgia Department of Transportation involves improvements to the existing interchange including a replacement bridge, reconstructed mainline with asphalt and concrete pavement, and reconstructed concrete ramps with additional turn lanes to improve the overall level of service for the interchange. Serving as design engineer responsible for horizontal/vertical alignments, plan preparation/coordination, maintenance of traffic, and right of way plans.

Work experience prior to joining LPA:

- August 2005 to 2007 – University of North Florida, Jacksonville, Florida – Adjunct Faculty, College of Computing, Engineering and Construction.
- January 2005 to 2007 – Post, Buckley, Schuh and Jernigan, Jacksonville, Florida – Engineer II, Transportation Design Group
 - North Thomas / South Thomas Drive, Panama City Beach Florida. This project for the Community Redevelopment Agency (CRA) involved the widening and realignment of an existing two-lane roadway corridor to a four-lane divided urban section including a dedicated Tram lane. Served as design engineer responsible for horizontal/vertical alignments, maintenance of traffic and utility coordination.
 - Capital Circle Southeast, Tallahassee, Florida. This design-build project for the City of Tallahassee/Leon County Blueprint 2000 agency involved the realignment and reconstruction of a portion of the project bypass around Tallahassee. Served as design engineer responsible for maintenance of traffic plans which include phasing, traffic shifts, and temporary signals.
 - Churchwell Drive, Panama City Beach, Florida. The project for the Community Redevelopment Agency (CRA) involved the realignment and widening of an existing two-lane roadway and bridge. Efforts included coordinating the roadway design portion with an existing set of designed permitted bridge plans. Served as design engineer responsible for horizontal vertical alignments, maintenance of traffic, quantities and construction specifications.
- August 2003 to December 2004 – Southeastern Transportation Research Center, Knoxville, Tennessee – Research Assistant. Research involved updating TDOT planning software (EVE) with social and economic factors to calculate Benefit/Cost ratios for transportation projects.
- August 2002 to August 2003 – Arcadis, Atlanta, Georgia – CAD Technician. CAD drafting and quantity calculations for transportation projects including rural/urban highways, interstates and railroad grade crossing.
- February 1998 to August 2000 and June 2002 to August 2002 – Houston County Public Works Department, Perry, Georgia – Engineering Technician/Field Engineer. CAD drafting, basic roadway/intersection design including geometrics, drainage, signing and marking, quantity calculations, small crew supervision, storm drain system inspections and roadway base/sub-base proof tests.

QUALIFICATIONS:

REGISTRATION:

PROFESSIONAL EXPERIENCE:

AREAS OF EXPERTISE:

- *Program and Project Management*
- *Construction Management*
- *Cost Estimates*
- *Utility Coordination*

Bachelor of Civil Engineering, March 1981
Georgia Institute of Technology, Atlanta, GA

Professional Engineer (FL # 56119)

1981 - 2011 (Career)

2010 - 2011 (LPA)

Roadway Engineer
THE LPA GROUP INCORPORATED

Mr. Carswell, P.E. has over 30 years of construction, design and project management experience in the areas of bridge and roadway construction, and transportation engineering. He has experience in horizontal and vertical geometry design, intersection design, pavement design, quantities computation, construction cost estimates, maintenance of traffic, specifications and bid documents, and utility coordination.

Project experience prior to joining LPA includes:

- SR 69 – FDOT District 3 – Jackson County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for eight miles of SR 69 for the Calhoun County line to north of SR 10 (US 90). The project consists of milling and resurfacing the existing two-lane rural roadway, addition of turn lanes and a signal at the SR 10 intersection, drainage conveyance improvements in the Town of Grand Ridge, and utility coordination and adjustment plans. Construction is anticipated to be completed in 2011.
- Lake Emma Road – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Lake Emma Road from a rural two-lane to urban four-lane section from Longwood Hills Road to Sand Pond Boulevard in a heavily developed residential area. The project corridor runs through rolling terrain and the vertical alignment design was a challenge to provide sufficient vertical curve lengths for the design speed while keeping construction within the 100-foot right-of-way and limiting impacts to existing subdivision walls and adjacent development and design of gravity walls. The project included four signalized intersections, numerous driveway connections, utility coordination, adjustment plans, new utility plans for water and sewer, and seven stormwater retention ponds and drainage conveyance, as well as lift station access pull off lane and associated retaining wall. Construction is anticipated to be completed in 2011.
- SR 742 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for .5 miles of SR 742 (Creighton Road) at the intersection of Keating Road in Pensacola. The project consisted of the milling, resurfacing and widening of SR 742 from a two-lane rural section to a two-lane urban section in a residential corridor and included dedicated left turn lanes, addition of a traffic signal at Keating Road, driveway connections, drainage conveyance system, utility coordination and adjustments. Construction was completed in 2010.
- State Road 292 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications of .3 miles of SR 292 at the intersection of River Road in Perdido Key. The

**PROFESSIONAL
EXPERIENCE**
(Continued):

project consisted of the milling, resurfacing and widening of SR 292 from a two-lane rural section to a three-lane rural section in an environmentally sensitive corridor and included dedicated left turn lanes at River Road, driveway connections, utility coordination and adjustment. The project corridor was within the habitat for the Perdido Key beach mouse and had restrictions for reducing limits of construction and staging areas in order to comply with FWS mandates. Construction was completed in 2009.

- County Road 15 – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.9 miles of County Road 15 from SR 46 to north of Orange Boulevard. Improvements consisted of reconstructing the two-lane rural roadway to a five-lane urban facility with a continuous left turn lane. The project is located in a heavily developed commercial and residential area with numerous intersecting streets and driveway connections. The project included five stormwater management ponds and drainage conveyance systems, two signalized intersections, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2009.
- Conway Road – City of Orlando – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Conway Road from SR 528 (Beachline Expressway) to Hoffner Road. The project reconstructed the rural two-lane roadway to a four-lane divided urban section. The roadway is located in a heavy residential area and included side street and driveway connections, an area of unsuitable soils that was partially excavated and utilized a surcharge program for soils consolidation, three stormwater management ponds and drainage conveyance, three signalized intersections utility coordination, adjustment plans, and new utility plans for water and sewer. Construction is anticipated to be completed in 2011.
- SR 44 – FDOT District 5 – Sumter County, FL – Project Engineer for roadway design and preparation of final construction plans for the reconstruction of approximately 5 miles of SR 44 from east of US 301 to County Road 468. The project consisted of constructing a new parallel two-lane rural roadway and milling, resurfacing and reconstruction portions of the existing rural two-lane roadway, as well as analysis of the vertical geometry and superelevation of the existing roadway to determine the areas of vertical curvature and superelevation that required reconstruction in order to meet current design criteria. In addition, the project had 10 stormwater management ponds and drainage conveyance, and utility coordination and adjustment plans. Construction was completed in 2005.
- Dodd Road, Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.7 miles of Dodd Road from Howell Branch Road to Red Bug Lake Road from a rural two-lane roadway to a four-lane divided urban roadway. The project included driveway and side street connections, a two span bridge over Howell Creek, three stormwater management ponds and drainage conveyance, one signalized intersection, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2005.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Civil Engineers

QUALIFICATIONS:

B.S., Civil Engineering, 1985
Auburn University

REGISTRATIONS:

Professional Engineer (FL #45708, GA)

PROFESSIONAL EXPERIENCE:

1985 - 2011 (Career)
2007 - 2011 (LPA)

Senior Transportation Manager
THE LPA GROUP INCORPORATED

Mr. Rainer has 26 years of experience in civil engineering and transportation as a project engineer and project manager. He has performed and managed a broad range of highway design tasks, including concept development; horizontal and vertical alignment design; drainage design; signing and marking plans; right-of-way calculations; quantity takeoffs; utility coordination; maintenance of traffic plans; and cost estimating. Mr. Rainer is an experienced project manager and is thoroughly familiar with the Florida Department of Transportation (FDOT) and Georgia Department of Transportation (GDOT) plan development processes, design standards, and specifications. While he has extensive experience managing projects for state DOT's, the vast majority of Mr. Rainer's experience comes from managing multiple projects for several repeat local government clients as a result of the personal service he brings to each project. Mr. Rainer's project experience includes:

AREAS OF EXPERTISE:

- **Project Management**
- **Roadway Design**
- **MOT Design**
- **Design/Build**
- **Quality Assurance**

- Capital Circle, Leon County, Florida. Prepared maintenance of traffic plans for three-mile section of this design-build contract. Project involves widening existing two-lane rural roadway to four-lane urban section with raised median.
- I-95 SB Agricultural Interdiction Station, Duval County, FL – Mr. Rainer served as EOR representative during construction phase of this project that had been designed by LPA for the Florida Department of Transportation District Two. Mr. Rainer coordinated all submittal reviews/approvals, attended bi-weekly construction progress meetings, answered all RFI's, oversaw design changes, initiated design changes to solve issues that arose during construction. This project is 95% constructed.
- SR 128 Milling and Resurfacing, Duval County, FL - Mr. Rainer served as PM and EOR for the milling and resurfacing of a 5-lane roadway for the Florida Department of Transportation District Two. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. The project was designed on time and under budget and construction is about to begin.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the city of Valdosta, GA. Serving as project manager responsible for overall client contact, scheduling, invoicing, concept development and overall quality control for the design of several intersection improvements and widening projects. Overseeing staff in Jacksonville, FL and Atlanta, GA.
- SR 537, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.027 mile long milling and resurfacing project for a five-lane urban roadway. The

**PROFESSIONAL
EXPERIENCE**
(Continued):

- scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates.
- SR 434, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.7 mile long milling and resurfacing project for a four-lane suburban (curb and gutter on outside, grass shoulders with depressed median) roadway. The scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates. *fn fáfn* Alf Coleman Road, Panama City Beach Community Redevelopment Agency (CRA), Panama City Beach, FL - Project engineer for approximate one-mile widening from rural two-lane to four-lane urban section with bike lanes and sidewalks. Project includes intersection improvements at Front Beach, Middle Beach and Back Beach Roads. Project also includes the design of stormwater treatment facilities. Project also involved extensive communication and coordination with affected property owners of which Mr. Rainer served as lead engineer explaining reasoning behind design to property owners.
 - SR 10 (Mahan Drive) Reconstruction, Florida Department of Transportation, Tallahassee, Florida. Senior Project Engineer responsible for various quality assurance reviews.
 - Hernando Dive, Putnam County Department of Public Works, Palatka, Florida. Project engineer for the design of a 6,200-linear-foot roadway improvement and paving project. Performed horizontal and vertical geometry calculations, prepared all stormwater management district permit applications, prepared final bid documents, and addressed design issues during construction.
 - Waldo Road (SR 24), FDOT District Three, Alachua County, Florida. Project engineer for approximate 4.5-mile resurfacing project. Prepared typical section package, traffic control typical sections, performed quality control for 30 percent roadway plans submittal, and provided peer review for final specifications submittal.
 - Palmetto Expressway (SR 826) at NW 103rd Street, FDOT, Miami, Florida. Performed drainage design and prepared signing and marking and maintenance of traffic plans for preliminary and final design for the widening of 6,200 feet of Palmetto Expressway interchange over NW 103rd Street. Project also involved significant improvements to various surface streets in the vicinity.
 - I-275, FDOT, Tampa, Florida. Performed quality assurance review for the widening of I-275 from Tampa Bay to just past Dale Mabry Boulevard near Tampa International Airport. Project included several new interchanges with extensive frontage roads, collector distributor roads, and on/off ramps. Review included checking alignments and profiles for conformance to FDOT standards, geometric correctness, and overall project conformance to predicted traffic.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Highway Engineers (ASHE)
CHI Epsilon (Civil Engineering Honor Society)
National Society of Professional Engineers (NSPE)
Florida Engineering Society (FES)

QUALIFICATIONS:

Architectural Drafting and Design Technical Degree
Phoenix Institute of Technology

Continuing education in Civil Engineering
Miami Dade Community College

PROFESSIONAL EXPERIENCE:

1985 - 2011 (Career)
2005 - 2011 (LPA)

Senior Transportation Designer
THE LPA GROUP INCORPORATED

Mr. Gaiotti is a Senior Transportation Designer with over 26 years of experience in engineering and CADD production.

LPA project experience includes:

- I-95 Interdiction Station – Nassau County, Florida – FDOT District Two – Design and detailing of Interdiction Station, including pond, drainage, Roadway Auxiliary Ramps, lighting, and signing and pavement markings.
- SR 128 Milling and Resurfacing Project, Duval County Florida – Milling and Resurfacing of existing five-lane urban section, which includes an analysis of existing conditions for ADA compliance. Design and Detailing of proposed plans.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Senior Designer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 over Lost Creek Bridge, Wakulla County, Florida – Widening and reconfiguration of existing bridge to include two lanes of traffic, bicycle lane, and sidewalk in each direction. Design and detailing of the 270-foot-long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36-inch drilled shafts.
- Bayou Chico Bridge Replacement, Escambia County, Florida – Design of the 200-foot, three-span dual bridges carrying SR 30 (Navy Boulevard) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
- Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, Florida, FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

Work experience prior to LPA:

- 2004 to 2005 – Marlin Engineering Inc. – Civil Site Design
 - City of Tallahassee Concurrency Package for Country Inn and Suites Site – Stormwater design using ICPR 3; site design and site plan approval package; environmental permitting; and project management.
 - Florida Keys Overseas Heritage Trail – Bike path design and layout; design variance package; and quantities.
 - N.W. 25th Street – Electronic delivery package for FDOT and electronic plans submittal to FDOT.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage Design**
- **Traffic Design and Plans**
- **Earthwork Quantities**

**PROFESSIONAL
EXPERIENCE
(Continued):**

- ❑ 2000 to 2004 – Baskerville-Donovan Inc. – Civil Highway and Lighting Design
 - Lighting Design Projects for Alabama DOT – Horizontal base plans for roadway lighting including 120' high mast lighting design; vertical cross sections; lighting details and design criteria; utility coordination; maintenance of traffic design; CES quantity calculations; construction cost estimate; computation book; and plan review and QA/QC.
 - Production Design for FDOT Projects 2000-2004 – SR 79 and Thomas Drive – Horizontal base plans; vertical cross sections; utility coordination; communications design and plans; maintenance of traffic design; cross sections - earthwork quantities; CES quantity calculations; construction cost estimate; computation book; plan review and QA/QC; and structural plans layout and quantities; electronic delivery package for FDOT; and electronic plans submittal to FDOT.
 - Production Design for FDOT Projects 2000-2004 – Connor Boulevard and East Park Avenue, City of Tallahassee – Horizontal and vertical base plans; drainage structure plans; gravity wall plans; retaining wall plans; vertical alignment design; and cross sections – earthwork quantities.
- ❑ 1995 to 2000 – Vanasse Hangen Brustlin Inc. – CADD Design and Project Supervision
 - I-95/I-595 ITS projects: CMS Sign Project; Project Utilities Coordinator; Plans Production Coordinator; Survey Coordinator; and CADD Designer for ITS Layout.
 - McArthur Causeway Bridge – CADD Designer – Structural plans layout for retrofit: bridge railing and median barrier; and field inspection.
 - Traffic Design – Traffic signal design, Sunbeam Properties; signal intersection layout; CADD plan production; signing and pavement markings; utility coordination; signal quantity calculations; construction cost estimate; traffic data collection; turning movements counts; queue analysis counts; time delay studies; collision diagrams; condition diagrams; and alternatives and improvements.
- ❑ 1990 to 1995 – Florida Department of Transportation, District 6, Miami Florida – Internal Design
 - Engineer 1 – Design and detailing of SR 112 Toll Plaza Parking facility.
 - SR A1A Collins Avenue design and detailing
 - SR 5 (US-1) Design and detailing. Signing and pavement markings, lighting, signals, and roadway plans preparation.

QUALIFICATIONS:

M.S., Civil Engineering, 2003
North Carolina State University
Structures and Mechanics Concentration

B.S., Construction Engineering and Management, 2001
North Carolina State University

REGISTRATION:

Professional Engineer (FL #67269, NC)

CERTIFICATION:

NBIS Certified Bridge Inspector

PROFESSIONAL EXPERIENCE:

2001 - 2011 (Career)

2005 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

Mr. Sherman's ten years of structural design experience includes all aspects of bridge design, having worked on multiple projects in Florida and throughout the Carolinas. He has experience with conventional design, load rating, rehabilitation, design-build, and construction inspection, as well as building structures and roadway design. Typical duties include:

AREAS OF EXPERTISE:

- **Structural Design**
- **Roadway Design**

- Bayou Chico Bridge Replacement, Escambia County, Florida, FDOT District 3 – Design of 200' three-span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. Permitting included a Coast Guard Permit for the navigation channel.
- Kemp Channel Pedestrian Bridge, Monroe County, Florida – Performed a cursory inspection to identify deficiencies of concrete arch bridges that were once part of Flagler Railroad located in the lower Florida Keys. The total bridge length at Kemp Channel is 992' feet long consisting of 32 equal arch spans. Proposed rehabilitation work includes hand rail replacement, expansion joint repair, and the addition of bridge spans where arch sections are missing such that the bridge can be reopened for pedestrian use. These bridges are to be used in part of a planned multi-use trail extending from Key Largo to Key West.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures.
- SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida – The existing condition of an eight span sonovoid structure on this milling and resurfacing project is evaluated. Barrier rail retrofits and joint replacement deemed necessary. Load rating performed.
- Long Key Construction Administration, Monroe County, Florida – Provided construction administration services during the construction of cantilevered fishing platforms off of several historic Flagler Railroad concrete arch bridges. Duties include pay request approval, construction inspection, and shop drawing review.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- PBC DOA Expansion Joint Rehabilitation, West Palm, Florida – Provided construction inspection services during the replacement of expansion joints on the bridge approach spans of the departure terminal at Palm Beach International Airport.
- Kentucky Utilities, Ghent, Kentucky – Served as a structural engineer for the Fluor Power Group on a temporary assignment. Task was to evaluate existing structural conditions in the renovation of a 30-year old coal power plant for the installation of a SCR system to reduce NO_x emissions.
- MLK (U-3412), Union County, North Carolina – Served as a designer during the proposal stage on this winning design-build effort. Three prestressed concrete beam bridges and two culverts are part of this project.
- US 601 (R-2616), Union County, North Carolina – Served as a designer for dual single-span steel bridges each 145' in length., two precast arch culverts and two precast box culverts on this design-build project.
- Bridge on CSX Railway over NC-55 (U-3308), Durham County, North Carolina – Served as a designer of a four-span steel railway bridge.
- Rea Road over Rea Branch, Mecklenburg County, North Carolina – Serving as a designer for a two-span prestressed concrete girder bridge 130' in total length.
- I-85 Widening (I-2511 CB) Rowan County, North Carolina – Assisted in the roadway design during the construction phase of this design-build project.
- Bridge Group 46 – Assisted in the roadway design of small bridge relocation projects in multiple locations in North Carolina.

Project experience prior to LPA includes:

- US 74 over Monroe – Ansonville Road, (R-2559C) Union County, North Carolina – Served as a designer for dual single-span steel bridges each 200' in length.
- Northlake Boulevard over I-485, (R-2248D) Mecklenburg County, North Carolina – Served as a designer for a two-span steel bridge 270' in total length.
- US 70 Bypass (R-2552AA and R-2552C) Wake-Johnson County, North Carolina – Assisted in designing four bridge structures. R-2552AA consisted of dual six-span bridges using 63" AASHTO modified bulb tee girders each 600' in total length. R-2552C consisted of dual six-span bridges using AASHTO type IV girders each 475' in total length.
- NCDOT Bridge Maintenance Unit Contract – Served as a designer for 15-20 cored slab bridges in numerous locations around the State of North Carolina.
- SC 38 / US 501, Dillon and Marion Counties, South Carolina – Served as a designer on a two-span fly over bridge.

COMPUTER SKILLS:

Matlab, SAP 2000, STAAD, RISA 3-D, RC Pier, Conspan LA, Consys, LPile, Merlin Dash, Simon, MicroStation, Geopak, MathCad, Solid Edge

QUALIFICATIONS:

B.S., Civil Engineering, 2001
Florida State University

REGISTRATION:

Professional Engineer (FL #65026)

CERTIFICATION:

FDOT Long Range Estimating
FDOT Specifications Package Preparation

PROFESSIONAL EXPERIENCE:

1999 - 2011 (Career)
2010 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

AREAS OF EXPERTISE:

- **Bridge Design**
- **Load Rating**
- **Bridge Structural Detailing**
- **Foundation Design**

Mr. Cain's nine years of structural design experience includes all aspects of bridge and roadway structures design including design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. His experience with commercially available software that is commonly used for design includes Microstation/Geopak, FDOT Structures Software, FB-Multiplier (B.S.I.), Mathcad, Pilebuck, LEAP Conspan, RC-Pier and L-Pile. He has load rated over 40 bridges and has performed over 100 quality control reviews of load ratings during his career. He has worked on projects in Florida, Alabama, South Carolina and Missouri. He has prepared load ratings using both conventional and innovative techniques using both Load and Resistance Factor Rating (LRFR) and Load Factor Rating (LFR) methodologies. His experience with commercially available software that is commonly used for load rating includes Virtis, BARS, SALOD, and Conspan.

Representative projects:

- MoDOT Safe & Sound Improvement Program, Statewide, Missouri, MoDOT – Plans preparation for over 30 structures on this landmark design build project in the State of Missouri. The Safe and Sound bridge replacement program consisted of a total of 554 bridges all part of one design build contract. Typical duties include superstructure and substructure design, load rating and discipline coordination. Bridge superstructures consist predominantly of prestressed voided slab sections and box beams.
- Western Wake Freeway, Wake County, North Carolina, North Carolina Turnpike Authority – Responsible for quality control of the design for two of the four bridges on this Design-Build project. Duties include QC for superstructure and substructure design. Bridge superstructures consist of cast in place concrete deck placed on prestressed concrete girders. Bridge substructure foundations consist of drilled shafts, steel H piles and spread footings.

Work experience prior to joining LPA:

- E.C. Driver & Associates – Tallahassee, Florida – Structures Engineer – August 2001 - August 2006 (Engineer Intern) – August 2006 - October 2009 (Professional Engineer)
 - Responsibilities included design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. Responsibilities also included ASR, LFR, and LRFR load ratings of bridges, and project cost estimating including use of the FDOT LRE Program. Post design responsibilities included review of shop drawings, specialty engineer calculations, and response to various RFI requests.

PROFESSIONAL EXPERIENCE
(Continued):

- Florida Department of Transportation – Central Office - Estimates Office – March 1999 - August 2001
 - Responsibilities included maintaining the Long Range Estimating (LRE) program and LRE student training database. Maintained and edited the Basis of Estimates Handbook. Compiled bridge pay item data for bridge cost estimating that is used in the LRE program.

Project experience prior to joining LPA:

- J.T. Butler Interchange, Duval County, Florida, FDOT District Two. Curved Steel Box Girder Bridges. Detailed plans for internal bracing of curved steel box girders. Assisted in design for temporary bracing and pot bearings. Assisted in design of overhead span and cantilever sign structures. Post design involved review of shop drawings for sign structures and internal bracing of box girders. The project consisted of 6 bridges with dual curved trapezoidal steel box girders. The bridges were 2, 3 and 4 span continuous units. Span lengths ranged from 139'-0" to 282'-0".
- S.R. 212 (U.S. 90/Beach Boulevard) over ICWW, Duval County, Florida, FDOT District Two & JTA. Prestressed Beam Bridges. Assisted in design of superstructure, substructure, MSE walls and temporary critical anchored sheetpile walls. Designed standard/special design mast arms and temporary strain pole systems. Prepared plan sheets, finish grade elevations, calculated bridge quantities and performed LFD load rating on superstructure. The scope of the project was to replace the existing bascule bridges with high level bridges. The replacement bridges are 2100'-0" and 2298'-0" with 15 spans 17 spans respectively. Both bridges include 138'-0" and 148'-0" simple spans utilizing 78" Florida Bulb-T Beams. Post design services included reviews for structural RFI's and shop drawings.
- I-75 Southbound Realignment Over Salt Creek and Bridge Widening of I-75 Northbound Over Salt Creek and I-75 Over Fox Creek, Sarasota County, Florida, FDOT District One. Engineer of Record for new bridge and bridge widening over Salt Creek. Designed superstructure components and assisted in substructure design for Fox Creek bridge widenings. Detailed bridge components and prepared quantities. The new bridge on this project is a 4-span AASHTO girder bridge with Type III and Type IV girders. The widenings are single phase construction without deck replacements on the existing bridges.
- S.R. 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Engineer of Record for structures contract plans and structural design. Designed and detailed ecopassage that included approximately two miles of vinyl sheetpile wall with colored concrete bulkhead, stage construction box culverts fitted with DBI tops, concrete retaining endwalls and modified gravity wall.

COMPUTER SKILLS:

Microstation/Geopak
FDOT Structures Software
FB-Multiplier (B.S.I.)
LEAP Bridge V8i
L-Pile
SAP 2000
AASHTO Virtis
AASHTO BARS
Pilebuck Sheetpile Wall 911
Mathcad

QUALIFICATIONS:

B.S., Civil Engineering, 2005
Florida State University

REGISTRATION:

Professional Engineer (FL #70728)

PROFESSIONAL EXPERIENCE:

2004 - 2011 (Career)
August 2009 - 2011 (LPA)

Bridge Design Engineer
THE LPA GROUP INCORPORATED

Mr. Westphal's structural design experience includes all aspects of bridge design. He has worked on projects in Florida, Missouri and North Carolina. He has performed designs using AASHTO Standard Specifications for Highway Bridges as well as AASHTO LRFD Bridge Design Specifications. He has prepared load ratings using Load and Resistance Factor Rating (LRFR) methodology.

AREAS OF EXPERTISE:

- *Bridge Design*
- *Roadway Design*
- *Stormwater Design*

Project experience with THE LPA GROUP includes:

- CR 245 over Olustee Creek Bridge load rating for the Florida Department of Transportation, District 2 in Columbia County. The proposed bridge consists of an overall 350-foot, seven-span AASHTO Type-II girder bridge.
- Western Wake Freeway, Bridge Number 15 over US 64 bridge design and load rating. The proposed bridge consists of a 209-foot long, two-span AASHTO type-IV girder bridge.
- Western Wake Freeway, Bridge Number 16 over Western Wake Freeway bridge design and load rating. The proposed bridge consists of a 215-foot long, two-span AASHTO type-IV girder bridge.
- Corinth Road over Otter Creek box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a four-barrel, 40 foot long culvert.
- Bonifay-ChIPLEY Road over Camp Branch box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a three-barrel, 27 foot long culvert.
- Missouri Department of Transportation's Safe and Sound Bridge Improvement Project. Assisted in the creation of design standards to be used in the redesign and replacement of a majority of 554 structurally deficient bridges throughout the state. In addition, created plans for various phases of bridge design and construction. Responsible for designing non-standard structures, including spread footing foundations and reinforced concrete flat slab superstructures.
- Administer shop drawing reviews as necessary and furnish designs of miscellaneous structures such as retaining walls, pedestrian boardwalks and mast arms.

Previous experience includes:

- October 2006 to July 2009 – Florida Department of Transportation, Tallahassee, Florida – Engineering Intern

**PROFESSIONAL
EXPERIENCE**
(Continued):

- FDOT LRFD Prestressed Beam Program v.3.1 with Load Rating portion. The program was written in accordance with the FDOT Structures Design Guidelines and the Manual for Condition Evaluation Load and Resistance Factor Rating (LRFR) of Highway Bridges.
- Served as a Structural Designer, responsible for maintaining engineering programs on the FDOT Structures Design Office website.
- Ensured software programs are in compliance with changes/updates to the latest edition of the AASHTO LRFD Bridge Design Specifications or other relevant design specifications.
- Communicated with FDOT consultants and FDOT District personnel regarding technical feedback and/or difficulties with software.
- Assisted in the design of bridges and retaining walls.
- Aided in the calculation of quantities for projects.
- Reviewed Shop Drawings.
- Assisted in reviewing major proposed bridges in the State of Florida.
- May 2005 to October 2006 – Baskerville-Donovan, Inc., Tallahassee, Florida – Engineering Intern
 - Served as a Drainage Designer, modeling and designing stormwater pipe networks as well as creating technical reports such as stormwater needs assessments for small communities.
 - Served as a Roadway Designer, assisting with roadway design and computation books.
 - Aided in the creation of construction plans extensively through drafting, for both roadway and drainage projects.
 - Created several project cost estimates for both roadway and drainage projects.
- June 2004 to August 2004 – City of Tallahassee, Tallahassee, Florida – Engineering Intern
 - Assessed the condition of city roads through extensive field work, as part of a city-wide effort aimed at infrastructure improvements.

COMPUTER SKILLS:

Software:

MathCAD, FDOT Structural Engineering Programs (including LRFD Prestressed Beam Program), RISA, LEAP Bridge, RC-Pier, L-Pile, SAP 2000, Microstation, AutoCAD and Microsoft Office.

QUALIFICATIONS:

Course Work, 1967 - 1968
Texas A&M University, College Station, Texas
Course Work, 1968 - 1969
Charleston Southern University, Charleston, SC
Graduated 1974
South Carolina Law Enforcement Academy, SC

U.S. Air Force, Aerospace Defense Command, E-5, 1969 - 1973
Flight Simulator Technician, Vietnam, Honorable Discharge
Chanute Technical Training Center, Rantoul, IL

CERTIFICATIONS:

Certificate in Electronics, Hydraulics, Pneumatics and Aerodynamics
Pilot's License, Single and Multi-Engine Land
Certified Open Water Diver

**PROFESSIONAL
EXPERIENCE:**

1973 - 2011 (Career)
2009 - 2011 (LPA)

**Construction Manager
THE LPA GROUP INCORPORATED**

Mr. Burton Jr. is a detail-oriented, analytical and highly motivated professional offering 25 years success in Civil Engineering, Vertical Construction, Transportation, FAA, Federal and State-funded and environmentally sensitive projects. Consistently delivers complex, large-scale projects on time and within budget. He is an accomplished turnaround specialist with exceptional project turnaround skills and recovery strategies. Replaces existing construction managers, assumes decision-making reins of troubled projects and guides them through setbacks and into success. He is an adaptable manager who is well-versed in contract negotiations, project estimating, resolving impending design problems, and building and code regulations. He is a highly skilled communicator with the proven ability to build consensus and liaise with parties involved to ensure all the elements of a project coordinate and dovetail with organizational objectives. Mr. Burton is a dependable team player able to interact with and work well with laborers, tradesmen, architects, engineers and owners.

Project experience since joining LPA includes:

- Apron A Construction, Palm Beach International Airport – Construction Manager for a new 176,000 square foot concrete apron and realignment of existing access roads, including demolition items, grading, drainage, paving, chain link fence, automated gates, associated electrical work and stormwater work.

Project experience prior to joining LPA includes:

- General Access Road Rehabilitation, Tallahassee Regional Airport – Resident Personal Representative and inspector for the demolition and reconstruction of the General Aviation Access Road at Tallahassee Regional Airport. Project included extensive milling and P-401 paving operations, grading, sodding, grassing, automated gates, and redesign and construction of 800 feet of stormwater. Project responsibility also included field redesign of Capital Circle/Access Road tie-in and Fuel Farm Parking Lot.

AREAS OF EXPERTISE:

- **Construction Planning/Scheduling**
- **Estimating and Job Cost**
- **Budget Management and Cost Control**
- **Contract Negotiation**

PROFESSIONAL EXPERIENCE
(Continued):

- Terminal Apron Stormwater, Tallahassee Regional Airport – Resident Personal Representative and inspector for the construction of stormwater ponds surrounding the main terminal apron. Project included excavation, grading, geogrid, sodding, grassing, stormwater structures.
- Runway Improvements, San Salvador International Airport, Bahamas – Consultant and inspector for P-401 paving operations and extension of runway. Project involved erection of onsite asphalt plant and barging materials and supplies from the U.S. Project included stormwater, excavation, subgrade, base rock, paving, grading, electrical lighting, and painted markings and striping.

Work history prior to joining LPA includes:

- Florida Department of Environmental Protection, Tallahassee, FL – September 2005 to January 2009 – Construction Project Consultant (CPC) and Contract Manager, Office of Coastal and Aquatic Managed Areas (CAMA). Some responsibilities included:
 - Reporting directly to the Director of CAMA, the Budget Director and the Deputy Secretary of the Florida Department of Environmental Protection.
 - Accountable for the execution and delivery of all civil construction activities for CAMA; Coastal & Aquatic Managed Areas comprising 4.8 million acres
 - Initiating constant communication with three Regional Managers and 30 Aquatic Preserve Managers to ensure core expectations of the project were met, including the timely conclusion of the projects and completion of all applicable supporting documentations like schedules, cost issues and tracking.

PROFESSIONAL MEMBERSHIPS:

Capital City Chapter of United States Green Building Council
Speaker of the House's Citizen's Committee, 2002 - 2003
President's Economic Advisory Committee, 2002

COMPUTER SKILLS:

MS Office Suite
MS Project
CAD
ArcView
AIA
GIS
FLAIR

QUALIFICATIONS:

Indiana Highway Technician Course
Purdue University Extension

Continuing Education Courses
Nashville State Technical Institute

Level II NICET
Construction Materials Technician, Concrete

PROFESSIONAL EXPERIENCE:

1959 - 2011 (Career)

1991 - 2011 (LPA)

Resident Project Inspector
THE LPA GROUP INCORPORATED

Mr. Banta has a wide variety of experience related to the development, design, and construction of utility systems and drainage projects. His experience includes surveying, construction management, drafting, mapping, the conduct of inflow and infiltration analyses, the design and maintenance of water and sewer systems, roadway construction, water system design, and pipeline design.

Typical projects while with THE LPA GROUP include the following:

AREAS OF EXPERTISE:

- Construction Management
- Drainage
- Utilities
- Grading
- Sewer Systems

- Resident Project Inspector for the FDOT Capital Circle S.I.S. Connectors Project SR 263. Project is located at the entrance of the Tallahassee Regional Airport in Tallahassee, Florida. This project included grading, drainage, paving and marking. MOT certification was required and obtained prior to construction.
- Inspector for Runway/Taxiway rejuvenation and Crack Sealing Project at the Northwest Alabama Regional Airport located in Muscle Shoals, Alabama. Project also included rebuilding all of the runway lighting system, including the airport Beacon and partial electrical vault equipment replacement. Project also included restriping of the runway/taxiway and its rejuvenated areas.
- Inspector for the New Corporate Administration Building, Space Coast Regional Airport at Titusville, Florida. In addition to the new building, this project includes drainage, grading, paving and landscaping along with utility relocation and additions.
- Inspector for the Remote Overnight Apron at the North West Florida Regional Airport which included asphalt and concrete placement as well as lighting and drainage.
- Inspector for Phases 3, 4 and 5 Perimeter Service Road Project at Daytona Beach Regional Airport in Daytona Beach, Florida. Project includes paving, grading, drainage, fencing, and FAA cable relocation. This project required a lot of owner and tenant involvement.
- Resident Project Representative for the Central Apron Project at Tallahassee Regional Airport in Tallahassee, Florida. Project included paving, grading and drainage as well as aircraft tie-down area with adjoining mast lighting.
- Co-Project Representative for the milling and repaving of the main parallel taxiways and connectors at the Tallahassee Regional Airport in Tallahassee, Florida. Project included milling for the correcting cross drainage and new asphalt surface including all striping.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Resident Project Representative for the installation of two (2) new Passenger Loading Bridges and renovation of six (6) Existing Tunnel structural upgrades as well as electrical, air conditioners, and redecorating needs. This upgrades all of the loading bridges at the Tallahassee Regional Airport in Tallahassee, Florida.
- Resident Project Representative for the new FedEx Complex at the Tallahassee Regional Airport in Tallahassee, Florida. This project includes a new apron with new access taxiways which require Retention Ponds drainage, paving, lighting, parking areas, security fencing and gating. The new facility encompasses the existing Air Cargo complex and a new Access Roadway from a major highway to both facilities which will be lighted and provides ingress and egress for all size vehicles.
- Resident Project Representative for a new eight (8) mile perimeter road with a new adjoining ten (10') foot security fence at the Tallahassee Regional Airport in Tallahassee Florida. Project included extensive coordination with owner and airport operations for safety and security during Construction.
- Resident Project Representative for the addition of 25' paved shoulders to either side of the north- south runway at Tallahassee Regional Airport.
- Resident Project Representative for the construction of the General Aviation Taxiway "R" and "B" at the Tallahassee Regional Airport.
- Resident Project Representative for a total airfield lighting renovation at North West Alabama Municipal Airport in Muscle Shoals, Alabama.
- Resident Project Representative for the T-hangar Phase II project at the Sarasota-Bradenton International Airport, Florida. Project included paving, grading, and drainage plus the erection of three (3) new hangar units.
- Resident Project Representative for the new Taxiway "D" project at Sarasota-Bradenton International Airport at Sarasota, Florida. Project includes construction of a completely new taxiway plus an asphalt overlay of an existing taxiway.
- Resident Project Representative for part of Runway 3 extension at Greenville-Spartanburg International Airport, South Carolina.
- Resident Project Representative for clearing project at Orangeburg Municipal Airport, South Carolina.
- Resident Project Representative for Phase II on runway extension and customs facilities, including apron and building, for Greenville-Spartanburg International Airport, South Carolina, Stages I and II. Project includes paving, grading, and drainage as well as access road to BMW Facility.
- Resident Project Representative for Phase II of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as extending and upgrading the existing primary roadway and taxiway.
- Resident Project Representative for Phase I of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as a new apron with upgraded fuel facility.

QUALIFICATIONS:

B.S., Civil Engineering, 1979
University of Florida

REGISTRATION:

Professional Engineer (FL # 34810)

TRAINING:

Project Manager Course/Florida Department of Transportation
Quality Assurance/Quality Control Training/Florida Department of Transportation
Project Engineer Training/Florida Department of Transportation
Traffic Control Plan Certification/Florida Department of Transportation
Hearing Officer – Hillsborough County – Residential Traffic Control
Expert Witness – Court of Appeals
Institute of Transportation Engineers, Engineer of the Year, 1996
Institute of Transportation Engineers, Fellow (International Director 1993 to 1995)
Institute of Transportation Engineers, Past Florida President (1992-1993)
Illuminating Engineering Society of North America

PROFESSIONAL EXPERIENCE:

1979 - 2011 (Career)
2010 - 2011 (LPA)

Principal – Director of Local Government Services
THE LPA GROUP INCORPORATED

Work history prior to joining THE LPA GROUP includes:

□ Director of Local Government Services, Florida – Mr. Dabkowski, P.E., was responsible for assuring complete client satisfaction in all aspects of Traffic, Parks, Trails, Planning and Civil Engineering. Satisfaction means a very clear scope of service by all parties, assigned personnel that are experts in the field of scope, a realistic schedule that will meet the clients' needs, reasonable negotiated fees that follow the industry standards, a quality control process that is tailored to the scope, a finished product that the client will be proud of and finally, a positive reply from their clients that will be proud to share. The following are examples of major trail projects that Mr. Dabkowski directed:

AREAS OF EXPERTISE:

- *Project Management*
- *Construction Administration*
- *Roadway Design*
- *Utility Design*
- *Right-of-Way Surveying*

• Gainesville, Florida – Under the direction of Mr. Dabkowski, the team provided survey and engineering services for the 15 mile long design project. The project consisted of a 12 foot wide paved recreation trail connecting downtown Gainesville to the Hawthorne rail trail. This trail also included equestrian amenities and a trail head on the southern end. A beautiful steel arch bridge was designed and manufactured to fit the limits of a water crossing and the theme of the area. Included in this project was the design and environmental permitting. Complete construction plans and bid package was provided.

• Dunedin, Florida - This trail project was the first lighted section of the 62 mile long Pinellas County "Fred Marquis" trail. Mr. Dabkowski was the project manager for the first 16 mile segment of this award winning trail. Mr. Dabkowski also assisted the City in permitting and seeking approval to light a 1/2 mile segment with pedestrian scale lighting. This allowed the surrounding visitors of the hotels to walk the trail at night offering access to local dining and shopping within the CRA district of the City.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Gainesville, Florida – Mr. Dabkowski was the project manager for the Depot Avenue trail in the heart of the downtown. This trail connected the highly successful Hawthorne rail trail to the downtown area via the Depot Avenue trail. Several state road crossings were required which allowed great cooperation with the state. Environmental concerns from the previous rail usage were also contained and permitted with success. A roundabout was also introduced into the design and several high volume pedestrian crossings were designed with safe access. The team provided survey and engineering services for this 6 mile long design project. The project consisted of a 10 foot wide urban paved trail. Special crosswalk markings were approved by the state.
- Dunedin, Florida – The City visioned a linear park along the intracoastal waterway from the City limits to Downtown. This corridor known as Edgewater Drive was to provide bench seating, viewing areas, safe crossing of the street and expanded sidewalk designs for the multipurpose users including transit stops.

QUALIFICATIONS:

B.S., Civil Engineering, 1980
University of Toronto

REGISTRATION:

Professional Engineer (FL #58147, MI, and Ontario)

PROFESSIONAL EXPERIENCE:

1980 - 2011 (Career)
2010 - 2011 (LPA)

Senior Transportation Engineer
THE LPA GROUP INCORPORATED

Mr. Rao has 30 years of experience providing planning, design and project management for transportation engineering projects focusing on livable communities projects. The focus of this expertise is in designing facilities for multi-modal and non-motorized transportation users. I have particularly strong experience with designing traffic calming projects, bicycle/ pedestrian crossings and analyses, safe routes to school projects and programs, and traffic signal analysis.

As a former employee of government organizations – City of St. Petersburg, FL, five years; City of Toronto, Ontario, six years; and the Ministry of Transportation, Ontario, ten years – coupled with over eight years of private sector work for public clients – I understand the unique demands of designing projects in a public forum. During the last 20 years, I have personally attended and/or chaired over 800 public meetings, to reach consensus within these communities for implementation of projects.

Project experience prior to joining LPA includes:

2003 to 2010 – Transportation for Livable Communities Engineer, Volkert, Inc., Tampa, FL

Traffic Calming Projects

- Neighborhood Traffic Calming (NTC) Program, Hillsborough County, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program. Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.
- Westshore Business District Area Traffic Calming Project, Tampa, FL (Hillsborough County) – Provision of traffic calming design services for Armenia and Howard Avenues arterial streets flanked by small business enterprises. These services consisted of planning and designing on-street parking configurations with a view to increasing parking inventory, reducing operating speeds, and beautifying these corridors. Services included research of other traffic calming programs for effectiveness, investigation and application of parking ordinances, evaluation and prioritizing of projects, development of construction standards for traffic calming features, assistance at two public information meetings (residential and business) and presentation to the Board of County Commissioners.
- Neighborhood Traffic Calming (NTC) Program Development, City of Dunedin, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program.

AREAS OF EXPERTISE:

- **Transportation Engineering**
- **Traffic Design / Studies**
- **Conceptual Design Services**

**PROFESSIONAL
EXPERIENCE**
(Continued):

Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.

Bicycle and Pedestrian Studies

- Bicycle/Pedestrian Masterplan, City of Dunedin, FL – Conducted a comprehensive study outlining the on and off-road non-motorized opportunities for multi-modal use on a city-wide basis. Assisted in the development of the visions/goals, community responses, and pedestrian level of service computations. Assisted in the layout of the various cross-sectional strategies to provide bicycle lanes on existing pavements, leading to the development of the Masterplan Bicycle Conditions matrix as well as resident surveys/questionnaires.
- Fletcher Avenue Pedestrian Safety Study and Conceptual Design, Hillsborough County, FL – Conducted a comprehensive pedestrian and bicyclist safety study to analyze crash types patterns and identify opportunities for crash mitigation. Provided conceptual design services to foster safer crossings for pedestrians and more accessibility for bicyclists.
- SR 580 Pedestrian Safety Study and Conceptual Design, City of Dunedin, FL – Conducted a comprehensive pedestrian and bicyclist safety study to reduce crashes. Provided conceptual design services to improve accessibility for bicyclists and physically challenged persons. Working with the City and FDOT, conceptual countermeasures were developed for four cross-sectional roadway treatments ranging from a six-lane divided section to a two-lane median landscaped section adjacent to the Pinellas Trail.

Corridor and Neighborhood Transportation Studies

- City-Wide Transportation Study and Transportation Concurrency Management System Development, City of Newberry, FL – The project was to analyze current traffic while considering the City's Development Plan, ordinances, land use, and roadway infrastructure. Services included a field review of the corridor regarding lane capacity issues, analyzing traffic data and Levels of Service, and recommending a grid system future street system that encourages sustainable growth, connectivity, and multi-modal applications.
- Blind Pass Road Multi-Modal Corridor Plan, City of St. Pete Beach, FL – The project involved developing conceptual plans for better pedestrian access and new on-street parking for merchants in the central business district. It also included close coordination with FDOT for use of state rights-of-way in Downtown. A comprehensive area-wide study was conducted to determine the impacts of the redesign on the main high-volume traffic intersections.

**PROFESSIONAL
AFFILIATIONS:**

Hillsborough County MPO Livable Roadways Committee
Northeast Florida League of Cities
Association of Pedestrian and Bicyclist Professionals
Institute of Transportation Engineers (ITE)
Chair, Florida Urban Traffic Engineer's Council, 2001
Co-Founder, Tampa Bay Area Traffic Calming Group, 1997

QUALIFICATIONS:

B.S., Civil Engineering, 1982
University of Florida, Gainesville

REGISTRATION:

Professional Engineer (FL #38772, AL)

PROFESSIONAL EXPERIENCE:

1982 - 2011 (Career)
2002 - 2011 (LPA)

Principal
THE LPA GROUP INCORPORATED

Mr. Oshesky's 29 years experience is comprised of Program Management for Transportation Infrastructure, Greenway and Floodway Improvement Programs, Interstate Design, Interchange Design, Highway Design, Recreational and Trail Design, PD&E Studies, Feasibility Studies and Value Engineering. Mr. Oshesky actively participates in organizations and committees which provide continuing education, develop industry guidelines and identify potential funding for public projects.

Mr. Oshesky's entire career has been in Florida. During his career he served of over nine years of experience with the Florida Department of Transportation and over four years with the Florida Department of Environmental Protection. As Principal for The LPA Group's North Florida Region Mr. Oshesky has managed resources, overseen quality assurance and provided leadership for the following projects:

AREAS OF EXPERTISE:

- Program Management
- Value Engineering
- Recreational Trail Design
- Roadway Design
- Construction and Permit Drawings

LPA project experience includes:

- Program Manager on General Engineering Consultant contract for BluePrint 2000 Intergovernmental Agency – Served three years as Program Manager for \$800 Million sales tax program for a City of Tallahassee/Leon County joint agency which includes corridor improvement projects on the state highway system and stormwater master planning and retrofit projects.
- Engineer of Record for Leon County Continuing Services contract.
- Project Principal on I-95 Agricultural Interdiction Station in Nassau County, for FDOT, District Two.
- Project Principal on SR 128 resurfacing in Duval County, for FDOT, District Two.
- Project Principal on Olustee Creek Bridge Replacement in St. Johns County, for FDOT, District Two.
- Project Manager on SR 60 Courtney Campbell Causeway Multi-Use Trail Feasibility Study, FDOT District Seven – Evaluate the feasible alternatives to provide recreational access and use along an eight mile corridor across Tampa Bay in Hillsborough and Pinellas Counties.
- Project Principal SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Milling and resurfacing of one-mile segment of four-lane urban roadway.
- Project Principal on SR 10 (US 90) Mahan Drive widening from Dempsey Mayo to I-10 in Leon County, for FDOT, District Three.
- Engineer of Record on I-10 Agricultural Interdiction Station for FDOT District Three – Design-build contract which included interstate ramps and facilities for the Florida Department of Agriculture and Consumer Services.

PROFESSIONAL EXPERIENCE
(Continued):

- Engineer of Record on Monticello By-Pass Feasibility Study in Jefferson County for FDOT, District Three – Evaluated feasible alternatives for US 19 through downtown Monticello.
- Engineer of Record for Wakulla County Continuing Services contract.
- Project Principal SR 61 (US 319) Crawfordville Highway widening from US 98 to Lost Creek Bridge in Wakulla County, for FDOT, District Three.
- Project Principal on SR 20 (US 27) resurfacing in Jefferson County, for FDOT, District Three.
- Project Principal for Florida Department of Environmental Protection, Florida Overseas Heritage Trail.
- Principal for Florida Department of Environmental Protection, Camp Helen State Park Improvements and Rehabilitation in Bay County.
- Project Principal SR 30 (US 98) Bayou Chico Bridge Replacement in Escambia County, for FDOT, District Three.
- Project Principal on Turnbull Creek Bridge and resurfacing in Volusia County, for FDOT, District Five.
- Project Principal on SR 500 (US 192) Indian River Bridge Replacement Design-Build Criteria Package, Brevard County, for FDOT, District Five.
- Principal for Florida Department of Environmental Protection, Statewide Continuing Services Contract.
- Principal for Wakulla County, Ochlocknee Bay Multi-Use Trail Master Plan and Design.

Project experience prior to LPA includes:

- Florida's Turnpike, Osceola Parkway (Dart Boulevard) Interchange, Osceola County, Florida – Highway designer responsible for combined (one contract) PD&E, planning, highway design and plans preparation for the construction on a diamond interchange on Florida's Turnpike at the Osceola Parkway. The project included PD&E, highway design, drainage design, permitting, lighting, toll facilities design, and traffic control.
- FDOT, SR 84 (Alligator Alley) Conversion to I-75, Broward and Collier Counties, Florida – Lead highway designer for two sections of the ten section total project of the conversion of SR-84 to I-75 in Collier and Broward Counties. Project included the conversion of a two-lane highway through the Florida Everglades to a limited access interstate facility. Project included PD&E, highway design, maintenance of traffic, drainage, and permitting.

PROFESSIONAL MEMBERSHIPS:

American Society of Civil Engineers – Tallahassee Branch, Past Officer
Florida Institute of Consulting Engineers – Transportation Committee
Florida Engineering Society
American Society of Highway Engineers
American Public Works Association – Big Bend Chapter, Past President
Society of American Value Engineers
Florida Recreation and Park Association
Citizens Advisory Committee, Leon County, Tharpe Street Corridor Study

SPECIALIZED TRAINING:

Value Engineering Team Member and Leader Training
Value Engineering Module I and Module II Training
FDOT Advance Maintenance of Traffic

QUALIFICATIONS:

M.S., Civil Engineering, 1993
University of Illinois

B.S., Civil Engineering, 1992
The Citadel

CERTIFICATIONS:

Specifications
TRNS*PORT
LRFR Bridge Load Rating
Long Range Estimate
Errors & Omissions
American Segmental Bridge Institute Grouting Training Certificate

REGISTRATION:

Professional Engineer (FL #53948, NC)

**PROFESSIONAL
EXPERIENCE:**

1993 - 2011 (Career)
2001 - 2011 (LPA)

Bridge Engineer
THE LPA GROUP INCORPORATED

AREAS OF EXPERTISE:

- Project Coordination
- Program Management
- Bridge Design
- Precast Segmental Bridges
- Conventional Beam Bridges
- Cable-Stay Bridges

Mr. Schwier has over 18 years of structural engineering experience including extensive work on the design of the new Leonard P. Zakim Bunker Hill Cable Stayed Bridge in Boston. He has experience in all aspects of bridge design, having designed both superstructure and substructure elements for precast segmental and conventional beam bridges. Mr. Schwier has also been involved in several bridge inspection projects, including fracture critical inspections.

- Florida Keys Overseas Heritage Trail (FKOHT) Bridge Restoration; Monroe County, Florida. These projects consisted of the condition inspection, restoration design and construction administration of seven of the historic Flagler railroad concrete arch bridges. The bridges were in various stages of deterioration after years of neglect or limited maintenance. The plans included concrete spall repair, concrete crack repair, joint replacement, milling and resurfacing and barrier repairs. Mr. Schwier served as the Lead Engineer and Manager for these projects at Park Channel and Big Coppitt Keys.
- Turnbull Creek Bridge Replacement; Volusia County, Florida. Replacement of the existing U.S. 1 Bridge. Mr. Schwier served as the Senior Engineer for the design and detailing of the 180' long bridge from the Bridge Development Report stage through final design. The structure is a 43' wide 18" deep cast-in-place flat slab on pile bents.
- Rookery Bay Pedestrian Bridge, Naples Florida. Services included design and construction administration for a boardwalk style pedestrian bridge using alternative building materials at the Rookery Bay National Marine Estuarine Research Reserve for the Florida Department of Environmental Protection. During construction no impacts, temporary or permanent, can be made to the wetlands. Mr. Schwier served as the project manager and lead structural engineer for this project.
- Group 9-04 Bridge Replacements, Holmes County, Florida, FDOT District Three – Mr. Schwier served as the Project Manager and the EOR for this project. Bridge culverts were used to replace two structurally deficient timber bridges. Coordination with

**PROFESSIONAL
EXPERIENCE**
(Continued):

hydrology and roadway were essential in setting the proper culvert dimensions to suit each culvert site. An open thrie beam barrier was placed on the top of the culverts in lieu of a conventional Type F concrete barrier to accommodate overtopping conditions.

- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures. Mr. Schwier served as the structures lead on this project.
- Bahia Honda Bridge, Monroe County, Florida – Provided onsite engineering services during an emergency repair at Bahia Honda Bridge to many structural elements which posed a threat to mariners. Many hanging structural steel members and hanging sections of concrete deck were removed during the emergency repairs.
- SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida, FDOT District Two – Mr. Schwier served as the EOR for the structures work on this RRR project. The existing condition of an eight-span sonovoid structure and its approach spans are evaluated on this milling and resurfacing project. A barrier rail retrofit was required as well as expansion joint replacements. The bridge approach is a pile supported roadway section. The fill beneath the existing pile supported approach spans has settled and resultant drown drag forces have separated the piles from the slab in some locations. LPA used borescopes to inspect the structure and designed repairs to replace piles that had settled and detailed for the structure. The repairs included installing replacement piles utilizing cantilevered pile caps and installing sheet pile along the curb line to reestablish the side slopes and sidewalks.
- Olustee Creek Bridge Replacement; Union County, Florida. Replacement of the existing steel girder bridge. Mr. Schwier served as the Project Manager for the design and detailing of the 350' long bridge from the Bridge Development Report stage through final design. The structure consists of Type II AASHTO girders on pile bents.
- SR 30 (US 98) Bayou Chico Bridge Replacement; Escambia County for FDOT District Three. Mr. Schwier served as Project Manager for the design of the 200' three span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
- SR 61 over Lost Creek Bridge; Wakulla County for FDOT District Three. Widening and reconfiguration of existing bridge to include 2-lanes of traffic, bicycle lane, and sidewalk in each direction. Mr. Schwier is the Senior Engineer on this project responsible for the design and detailing of the 270' long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36" drilled shafts.
- SR 79 over Reedy Branch; Washington County for FDOT District Three. This project consists of the phased construction of twin 400' bridges over Reedy Branch. The area being bridged consists of large muck pockets leading to long pile lengths. Steel pipe piles were designed to facilitate splices and installation of the pile bents. The superstructure is AASHTO Type III beams. Mr. Schwier is the Lead Engineer and the Project Manager for this project.

**PROFESSIONAL
EXPERIENCE:**

1970 - 2011 (Career)
2010 - Present (LPA)

Manager - Utilities Coordination
THE LPA GROUP INCORPORATED

Mr. Payne has more than 40 years of experience as a utility coordinator. During his 30 years of service with FOOT, he received the Rolfe Mickler Award for Diligence and Support of FDOT and made significant contributions to the organization. Mr. Payne served as a direct liaison coordinating contact between utility owners, counties and municipalities, governmental agencies, local utility coordinating groups and drainage districts. This included initiating contact with utility companies for scheduled road projects involving utility adjustment or relocation of existing facilities; reviewing and approving utility engineering proposals, plans, specifications, construction schedules and estimates; preparing necessary legal agreements governed by federal and state regulations and statutes; negotiating acquisition of utility easements as involved with various proposed construction projects; coordinating/advising/reviewing highway improvement planning, design criteria and plans as regarding utilities, with departmental design units and consultant engineering firms considering such things as economics, compliance with Federal Highway Administration Program Manual, Utility Accommodation Guide, and all other governing policies; arranging and conducting Pre-Design conferences between FDOT and all utility agencies to ensure that the utility agencies' proposed design and construction work will properly scheduled and coordinated with FDOT's proposed design and construction work; initiating and compiling utility cost study during preplanning stage for inclusion in project design study report; processing all right-of-way easement and property rights of utility agencies. He also coordinates preparation of, review and recommending approval of utility permits on construction projects; processes necessary documents for certification of projects for advertisement and award of contract.

Mr. Payne acted in the above advisory capacity at pre-construction meetings between FDOT, utility agencies and the highway contractor to minimize any delay in construction of the project; assisted resident and project engineers with utility problems during construction; coordinated documentation of utility relocation work with auditors for documentation of invoices for utility adjustments; coordinated interoffice programming of planning, design maintenance permits, easements, agreements, etc., with FDOT offices of Planning, Design, Maintenance, Construction and Right-of-Way, insofar as it affects utility organizations; prepared all utility invoices for documentation by construction forces and submits to Fiscal for payment; coordinated with Production Management in scheduling of utility activities.

Project experience prior to joining LPA includes:

- January 2009 to September 2010 – PBS&J – Senior Utility Coordinator – FDOT – District 2 – General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for 35+ DOT production/construction projects. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducted on-site meetings, ensured utility compliance with FOOT regulations, and inspected utility construction and relocation operations.
- April 2000 to December 2008 – Earth Tech/AE COM – Utility Coordination/CEI Department – Manager – FDOT – District 2, General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for more than 70 construction projects, as

AREAS OF EXPERTISE:

- **Utility Coordination**
- **Inspection**

**PROFESSIONAL
EXPERIENCE
(Continued):**

well as supervised the inspection of the specific utility work schedules. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducts on-site meetings, ensures utility compliance with FOOT regulations, and inspected utility construction and relocation operations. Supervised seven CEI inspectors, one utility coordinator and one utility office assistant.

- 1970 to 2000 – FDOT – Utility Coordinator
 - FDOT – District 2, Fuller Warren Bridge, Duval County, Florida. Utility coordinator for the reconstruction of 1.6 miles of bridges and ramps.
 - FDOT – District 2, Acosta Bridge, Duval County, Florida. Utility coordinator.
 - FDOT – District 2, 1-75 Widening and Reconstruction, Marion County Line to Georgia State Line, Florida. Provided utility coordination with as many as 12 utility agencies in two counties along the corridor.
 - FDOT – District 2, SR 15 (Riverside Avenue) Widening and Reconstruction, Edison Avenue to Acosta Bridge, Jacksonville, Florida. Provided utility coordination with as many as 7 utility agencies in Duval County.
 - FDOT – District 2, SR 207 Widening and Reconstruction, US 17 to 1-95, Putnam/St. Johns County, Florida. Provided utility coordination with as many as 7 utility agencies in these counties.
 - FDOT – District 2, SR 500 Widening and Reconstruction, US 19 to Marion County Line, Levy County, Florida. Provided utility coordination with as many as 10 utility agencies in Levy County.
 - FDOT – District 2, SR 9A Design-Build, J. Turner Butler Boulevard to Beach Boulevard, Jacksonville, Florida. Provided utility coordination with as many as 5 utility agencies in Duval County.

TRAINING:

Earth Tech Health & Safety Training

- 01 - Safety Orientation 01/22/2008
- 02 - Hazard Communication (US) IWHMIS (Canada) 12/22/2005
- 03 - Defensive Driving Awareness Training 05/12/2008
- 04 - Defensive Driving 4-Hour Course 02/28/2007
- 13 - Field Safety 4-Hour 03/06/2007
- 14 - Office Ergonomics Training 04/24/2007
- Employee Substance Abuse Training 05/29/2008
- ETUSA Southeast District Safety Metrics 09/25/2007

Training and Certifications

- Asphaltic Concrete
- Soils
- Contract Plans Reading
- Construction Inspection Mathematics
- Drainage
- Concrete Materials
- Contract Encumbrance
- Payment Processing
- 0.1. Teams
- Put-It-In-Writing Course

QUALIFICATIONS:

B.S., Mechanical Engineering, 1988
Missouri University of Science and Technology

A.A., 1983
Three Rivers Community College

REGISTRATION:

Professional Engineer (FL #50484)

PROFESSIONAL EXPERIENCE:

1975 - 2011 (Career)
June 2009 - 2011 (LPA)

Senior Project Manager
THE LPA GROUP INCORPORATED

Mr. Ivy has worked in private consulting civil engineering and related fields since 1975, and as a group leader/project manager since 1994. Ivy joined THE LPA GROUP in June 2009 as a Senior Project Manager in the Tampa office, and is working on and providing oversight and expertise on multiple general civil engineering projects throughout the state of Florida and the Southeastern U.S. His project experience includes many different types of civil engineering projects of all sizes in planning, design and construction phases. Ivy possesses a strong understanding of the engineering and construction industry, having now been in it for more than 36 years. Also, having worked throughout the United States along with some overseas experience lends valuable knowledge. The types of projects Mr. Ivy has worked on in the past include water, wastewater and reclaimed water transmission and treatment; natural gas and anhydrous ammonia pipelines, pumping and process piping; transportation including roadway and bridge design; land development including drainage systems design and permitting; civil site engineering and permitting; extensive permitting from federal, state, city, county and other agencies such as improvement districts, railroads and other entities.

Typical project experience includes:

- Restore Biloxi - Infrastructure Repair Program – Area 07: Buena Vista East Phases I & II, Biloxi, Mississippi (2009-2011) – Senior Project Engineer doing engineering for the rehabilitation of water, sanitary sewer, storm sewer infrastructure in the Buena Vista East project area. Area 7: East Buena Vista is comprised of U.S. Highway 90, Water Street, Howard Avenue, and Peyton Avenue, as well as other streets that intersect these main thoroughfares. Responsible for civil engineering design, coordination with project team, preparation of construction drawings and specifications, permitting, bidding, and construction administration.
- City of Zephyrhills, Florida – Downtown Stormwater Retention Pond and Pump Station Improvements – (2009-2010) Project Engineer for design and preparation of construction plans and specifications for the renovation of the downtown stormwater retention pond and pumping station which serves and isolated drainage basin.
- Tampa Bay Pipeline Company, Ammonia Pipeline Main Extension, Port Sutton Road, Tampa, Florida (2009-2010) – Project Manager and Engineer of Record for a proposed Ammonia Pipeline main extension project to connect two separate ammonia delivery facilities/pumping stations at Port Sutton, which is a part of The Port of Tampa.

AREAS OF EXPERTISE:

- **Project Management**
- **Stormwater Management**
- **Project Engineering**
- **Civil Site Engineering / Permitting**
- **Design**
- **Oversight / Scheduling**
- **Construction Phase Services**

PROFESSIONAL EXPERIENCE
(Continued):

- Penn Tank Lines, Tampa, Florida (2008-2009) – Project Manager and Engineer of Record for the conversion of existing 10-acre tract and building into New Penn Tank Lines Trucking Facility Building and Site Appurtenances. Services included comprehensive civil site engineering including City of Tampa site plan approval, paving and drainage, water and watershed, and other miscellaneous engineering and related tasks. Penn Tank Lines uses tractor-trailers for the hauling of fuel.
- Florida Department of Environmental Protection Recreation and Parks Department, Hillsborough River State Park, Hillsborough County, Florida (2008-2009) – Project Manager and Engineer of Record for professional consulting services for proposed parking and stormwater management improvements. Project purpose is to restore natural drainage patterns and provide improvements to the water quality of the stormwater runoff into the Hillsborough River. The project is jointly funded by FDEP and SWFWMD.
- Natural Gas Main Extension, Fort Pierce, Florida (2006-2007) – Engineering and permitting for a 4,000 foot-long, 20" diameter Natural Gas Pipeline project to deliver natural gas to a new power plant being constructed by Florida Municipal Power Association (FMPA).
- Tampa Bay Pipeline Company & Tampa Electric Company, Ammonia Pipeline Main Extension, South Hillsborough County, Florida (2005-2007) – Engineer of Record for a 10-mile Ammonia Pipeline project to deliver ammonia to the Big Bend Power Plant for the SCR process. Permits were obtained for numerous CSX railroad crossings, numerous subaqueous pipeline crossings including the Alafia River and Bullfrog Creek, FDOT, Hillsborough County, SWFWMD, Port of Tampa, and EPC.
- Natural Gas Gate Station Projects, Fort Myers, Palatka, Tampa, and Manatee County, Florida (2003-2008) – Senior Engineer responsible for civil site engineering, mechanical piping design, and construction phase services for Natural Gas Gate Station projects throughout the State of Florida.
- Vandolah Natural Gas Main Extension, Hardee County, Florida (2003) – Engineer of Record and Project Manager for design and construction phase services for a seven-mile Natural Gas Pipeline project. Design, permitting, and construction was completed in record time (April to August 2003). Gas Main was put in operation in August 2003. Project was also well within budget.

PROFESSIONAL MEMBERSHIPS:

National Society of Professional Engineers
American Society of Civil Engineers
Florida Natural Gas Association
Florida Engineering Society
Florida Utilities Coordinating Committee
Greater Tampa Utility Group
Rotary International

ADDITIONAL TRAINING:

Underground Storage Tank Management, University of Wisconsin – Madison
Seismic Design of Highway Bridges, National Highway Institute, USDOT, FHWA, Imbsen and Associates, Inc. Engineering Consultants

**PROFESSIONAL
EXPERIENCE:**

1983 - 2011 (Career)
2002 - 2011 (LPA)

**Public Involvement Manager
Florida Surface Transportation
THE LPA GROUP INCORPORATED**

Mrs. Pfuntner has 28 years of experience in community involvement, public relations, business development, marketing, CADD management and production, graphics and manual drafting and survey processing in virtually all disciplines of engineering including roadway, drainage, site, environmental, landscape, signing and pavement marking, signalization, surveying and mapping (including R/W mapping). She is responsible for planning and implementing effective public involvement plans, public meetings, public speaking presentations and creating and distributing valuable communication materials, and informative websites for transportation and recreational projects, as well as business development, plans production supervision, preparation of man-hour estimates and project scheduling. She is familiar with the FDOT CAP criteria and characteristics of the Level of Impacts for transportation projects.

Ms. Pfuntner's extensive FDOT plans production expertise and graphics experience allow her to create literature and graphics, which effectively and accurately convey aspects of transportation or recreational projects to the public and stakeholders. She excels in interpersonal and organizational skills with effective communications, negotiations, analytical and problem solving skills.

LPA Project Experience:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Public Involvement Manager for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Districtwide Community Awareness for FDOT District Five – As Project Manager, Bonnie is responsible for coordination, development, implementation, notification and conducting public meetings/workshops and public involvement activities, such as presentations and meeting exhibit preparation for District Five's in-house design projects.
- SR 10 (US 90) Mahan Drive, from Dempsey Mayo Road to Walden Road in Leon County for FDOT District Three – Community awareness for the reconstruction and widening of a 3.1 mile existing 2-lane rural highway to a 4-lane divided highway in Leon County. Duties include development of the Community Awareness Plan – CAP Level II, and organizing/conducting public meetings. Also included is conducting coordination with property owners and FDOT regarding impacts and controversial changes in the access classification.
- SR 30 (US 98) Navy Boulevard Bayou Chico Bridge Replacement, in Escambia County for FDOT District Three – Community awareness at a CAP Level II for the replacement of the existing bridge with a 180' long bridge. This project's initial public meeting resulted in public input requesting a revised design to raise the horizontal clearance an additional 7' to allow for better boat access to and from the Bayou Chico. An additional public meeting was held to convey the raised bridge design which FDOT approved. The project also included coordination with property owners and FDOT regarding impacts of the raised profile grade of the bridge approaches.

AREAS OF EXPERTISE:

- **Public Involvement**
- **Presentation
Materials/Graphics**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 500 (US 192) Indian River Relief Bridge Replacements, in Brevard County for FDOT District Five – Community awareness at a CAP Level II for the development of a Design-Build Criteria Package. This project's public involvement activities included two agency meetings and one public meeting in addition to the development of the scope and CAP for the Design-Build RFP.
- Blueprint 2000 and Beyond General Engineering Consultant Contract – As Public Involvement and Public Information Manager for a \$800 million transportation infrastructure program, Ms. Pfuntner was responsible for management of the Public Involvement Program and supervision of the Public Information Officer and the Public Relations subconsultant. The Public Involvement Program includes development of Community Awareness Plans, organization and coordination of all project public meetings and hearings, and database management for public comment and commitment tracking on all projects. Other duties include web site development, press releases, media information and correspondence, and public speaking events. Additionally, she was responsible for production of project concept reports for seven transportation and stormwater improvement projects.
- SR 61 (US 319) Crawfordville Road from SR 30 (US 98) to Lost Creek Bridge, in Wakulla County for FDOT District Three – Community awareness for the reconstruction and widening of an existing 2-lane rural highway to a 4-lane divided highway that will include both a rural and urban section in Wakulla County. Duties include development of the Community Awareness Plan, and organizing/conducting three public meetings in the community. Also included is conducting coordination with property owners and FDOT regarding impacts of the future right-of-way. This project's public involvement aspects are being coordinated with two other design projects underway along the same corridor, adding two levels of coordination. This level of coordination adds continuity and is improving awareness county wide.
- Monticello By-Pass Corridor Study, in Jefferson County for FDOT District Three – Developed Community Awareness Plan, organized and conducted several public meetings in the community. Performed various data gathering activities for input into the socio-economic impact analysis.
- SR 20 (US 27) Milling and Resurfacing, in Jefferson County for FDOT District Three – Developed Community Awareness Plan.

Representative projects prior to LPA include:

- Florida's Turnpike Traffic General Consultant Contract - As a subconsultant to the GEC on two consecutive 5-year contracts, Ms. Pfuntner participated in public hearings held around the state. In this capacity she created presentations and graphic display boards, organized meetings for various types of public hearings and meetings, including renderings of noise walls and toll plazas.
- City of Tallahassee Continuing Services - Participated in public meetings to build awareness and consensus, created graphics and presentation materials for public meetings on several projects, which included renderings of stormwater facilities, roadway improvements and recreational enhancements to corridor projects.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Professional Credentials

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

Professional Organizations

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

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques

Years Experience with EGS: 19

Years Experience with Other Firms: 16

Relevant Experience

Leon County, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to Leon County under a General Service Contract. The tasks have included the Geotechnical analysis for the design life of existing culverts, culvert extensions, mast arm installation, slope evaluations, base failures, lane additions, structural foundations and stormwater pond designs. In addition, the services have included the analysis and remediation of several karst features

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Relevant Experience, cont.

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District 3, Chipley, FL – Provides miscellaneous services to the Florida Department of Transportation under a General Service Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

Capital Cascade Sinkhole, BluePrint 2000 and Beyond – Conducted an emergency geotechnical investigation and design for a sinkhole which formed during construction of a stormwater management facility. The site was a listed EPA Superfund location because of known buried coal tars; therefore, the sinkhole posed both an environmental and constructability problem. The project included the use of ground penetrating radar, as well as soil borings, to evaluate the subsurface conditions in 3 dimensions to verify the “throat” of the sinkhole. A remedial solution was then design and approved by EPA. This project has been awarded the local APWA Emergency Project of the Year and has been nominated for the State Award for 2011.

Lake Munson Sediment Evaluation, Leon County, Department of Public Works - Conducted the geotechnical investigation to evaluate the depth of sediment within Lake Munson as part of a Munson Slough Drainage Improvements Project. The investigation was conducted to map the natural lake bottom, and to determine the type of soils to be dredged and disposed of. In addition, the constituents within the sediments were analyzed to determine if they could be disposed of in a permitted Construction and Debris Landfill, or if they would require special handling due to contamination.

SR 263 (Capital Circle), Leon County, Blueprint 2000 and Beyond – Conducted the geotechnical investigation for the widening of 5 segments of Capital Circle, from I-10 at Capital Circle Northwest to the intersection of Capital Circle Southeast and Apalachee Parkway. The widening design included recommendations for lane additions, mast arm design, slope stability and retention wall design, culvert replacements and extensions, and stormwater treatment facilities. Extensive investigations into the potential of impact as a result of karst (sinkhole) formations were included.

SR 79, Washington County, FDOT District 3, Holmes and Washington County, FL (FDOT FPN 220773-32-01, Sections 3, 5, 6, 7 and 8) – Conducted the geotechnical investigation for five (5) sections of the SR 79 reconstruction and widening project in Washington and Holmes County, Florida. The geotechnical design for the roadway included asphalt coring, parameters for pavement design, analysis for culvert extensions and recommendations for swale exemptions and stormwater ponds. Also included in the project was the bridge and embankment design for the SR 79 bridge replacement over Holmes Creek and the bridge replacement over Reedy Branch Creek.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E.
Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971

Bachelor of Science, Civil Engineering, Oklahoma State University, 1977

Master of Science, Civil Engineering, Kansas State University, 1979

Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter

Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow

American Public Works Association

National Society of Professional Engineers

Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

- Over 25 years of environmental design and permitting experience, including natural features, wetland delineation, environmental impact, and environmental management
- Highly-skilled at regulatory agency coordination
- Familiarity of Northwest Florida Water Management District, Florida Department of Environmental Regulation, U.S. Army Corps of Engineers, Leon County Permitting Requirements

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

Leon County, Department of Public Works, General Service Contract – Provides miscellaneous services to the County under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

City of Tallahassee, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to the City of Tallahassee under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Natural Bridge Road over the St. Marks River Bridge Replacement, Leon County, FDOT District 3 - Served as project manager for environmental permitting for Natural Bridge Road over the St. Marks River, an Outstanding Florida Water. The project included obtaining the following Leon County Growth Management Permits: Natural Features Inventory Permit, the Environmental Impact Analysis Permit, the Leon County Public Infrastructure Variance, and the Environmental Management Permit. In addition, permitting for wetland impact was obtained through the joint submittal of the ERP application with the FDEP and the ACOE.

SR 261 (Capital Circle SE), Leon County, Blueprint 2000 & Beyond – Completed the environmental permitting for the widening of Capital Circle from two lanes to 4 lanes from Tram Road to Woodville Highway. The widening design included recommendations for lane additions and stormwater treatment facilities to minimize impact to the natural features within the area. The permitting agencies included the City of Tallahassee, Growth Management Department (Natural Features Inventory Permit, Environmental Impact Analysis Permit, and Environmental Management Permit), US Fish and Wildlife Service (Gopher Tortoise Relocation Permit), and the Northwest Florida Water Management District (Environmental Resource Permit).

Eastern Transmission Line, Phase I and Phase II, City of Tallahassee - Completed the environmental permitting for the construction of twenty (20) miles of the Eastern Transmission Line for the City of Tallahassee, Electric Department. This project included close coordination with the City of Tallahassee, Growth Management Department, the Electric Department, the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers and the Northwest Florida Water Management District. The design route included the southern fence line of I-10 between the SR 319 and the SR 10 (Mahan Drive) interchange, west along Mahan Drive to Weems road, then south to substation BP-9 on Apalachee Parkway. The project included acquisition of the following permits: City of Tallahassee and Leon County – Natural Features Inventory, Environmental Impact Analysis, Environmental Management Permit; Florida Department of Environmental Protection – Dredge and Fill Permit, Stormwater Discharge Permit; U.S. Army Corps of Engineers – Nationwide Permit; and Northwest Florida Water Management District – Environmental Resource Permit.

Capital Cascade Trail Master Plan, Blueprint 2000 & Beyond - The Capital Cascade Trail project is a flood relief and greenways plan for a 5.2 mile corridor through Tallahassee, Florida. This project includes the planning and design for trails, parks and greenway amenities in combination with the stormwater aspect of flood control for the St. Augustine Branch and the Central Drainage Ditch. EGS worked with the Genesis Group to prepare the Natural Features Inventory Permit and participated in numerous public workshops.

Lake Elberta Park, City of Tallahassee - The Lake Elberta Park project included the environmental permitting and design for bike trails and picnic shelters to be constructed at the Lake Elberta Regional Stormwater Management Facility. This project included close coordination with the City of Tallahassee, Parks Division. Permits included the City of Tallahassee, Growth Management Department applications for the Natural Features Inventory, the Environmental Impact Analysis and the Environmental Management Permit.



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Jason D. Hill, PSM
Survey Project Manager

Jason Hill has 23 years of experience in surveying and mapping, working primarily on Florida Department of Transportation projects for the past 16 years. His experience encompasses: design surveys; right-of-way surveys; horizontal and vertical control surveys, topographic surveys; including utilization of electronic field book; jurisdictional delineation; and geodetic and construction surveying. As a Project Manager he has the responsibility of managing multiple projects, ensuring detailed attention and quality assurance to each one. His duties include: client contact; scheduling, manpower allocation; quality control and project budgets. Mr. Hill has worked with various city and county governments, the Florida Department of Transportation, and a variety of private sector clients.

KEY PROJECTS

FDOT 3 SR 61/US 319 (Leon) 4246091 from Timberwolf Crossing to the Georgia State Line: Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL: Mr. Hill is the Project Manager for this project which consists of sixteen areas covering twenty-five square miles, which require location, identification and mapping of stormwater infrastructure. This is the second phase of a complete city-wide stormwater infrastructure inventory mapping project of the City of Tallahassee's stormwater WFR.

FDOT 3 Bellview & Bauer Bridge in Escambia County: Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 CR10 US 90 (Walton) 4246131 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

FDOT 3 SR20 (Leon County) 423067-1 Jason is the Project Manager for this project for which 3DS is providing surveying services for the 3R project These services included typical 3R cross-section and data collection of utilities, drainage and 2D planimetrics

FDOT 3 SR30A (Bay County) 219312-1 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 3D topographic survey.

City of Tallahassee/Blueprint 2000 Capital Circle NW/SW: Mr. Hill provided surveying services for the full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Holmes 4252772 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Walton 4252771 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 SR 291 (Escambia) 4153781 Jason was the Project Manager for this project which included boundary location for the preparation of a control survey.

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, Certification No. 6008



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Pamela W. Nobles, PSM
President

Ms. Nobles has been involved in surveying and mapping since 1991 and is the owner of Diversified Design & Drafting Services, Inc. (3DS), which specializes in finished topographic maps for use in engineering design. Ms. Nobles oversees all aspects of both Surveying and Photogrammetry operations by serving as Project Manager and Principle-in-Charge for both divisions as well as Business Manager for the Company. She also spends considerable time contributing and promoting the profession of Surveying and Mapping. She has served on the Florida Board of Professional Surveyors and Mappers, serving three years as chair. With this tenure, she helped institute and write a photogrammetric exam for licensure in the State of Florida. Ms. Nobles also participates on the National Council of Examiners of Engineers and Surveyors Exam Committee for Professional Surveyors as a Subject Matter Expert.

PROJECT HISTORY

Capital Circle NW/SW, 2006 – 2010, H.W. Lochner Engineering, Inc.
Tallahassee, Florida

Is serving as *Project Manager* for this full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phases 1 and 2, 2006/2011, Woolpert
Tallahassee, Florida

Served as *Principle-in-Charge* for both phases of this project. Phase 1 of this project consisted of four pilot areas and required location, identification and GIS mapping of stormwater infrastructure. The purpose was to assess the costs, approach and resources needed to complete a stormwater infrastructure inventory for the City of Tallahassee. The information was used to update the County's GIS database. In 2009, 3DS was awarded Phase 2 of this project which consisted of sixteen additional areas covering twenty-five square miles, which required location, identification and mapping of stormwater infrastructure

Leon County GPS/LIDAR Mapping, 2005 to 2009, Merrick Engineering Co.
Tallahassee, Florida.

Principle-In-Charge of this complete Blue Booking project involving GPS control network, target control and mapping check points for LIDAR mapping. This project create the initial database for the entire GIS system for Leon County. This system included planimetrics, contours and parcel mapping. 3DS has held the contract along with Merrick, Inc. for all updates performed since the initial program began.

FDOT 3 SR 61/US 319 from Timberwolf Crossing to the Georgia State Line, H.W. Lochner Engineering, Inc.
Leon County, Florida

Principle-In-Charge for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Panama City Airport Authority Mitigation Project, 2008 – 2011, St. Joe Company
Panama City, Florida

Currently serving as *Principle-in-Charge* for this project for which 3DS is producing color infrared mosaic photography to determine and document the health of various trees and foliage. 3DS is also providing horizontal and vertical geodetic control throughout the project area to support orthophoto production. On a bi-annual basis 3DS is providing oblique flights and photography of the project area as well.

FDOT 3, Design Group 07-2, SR61 and SR363, George & Associates, Inc.
Tallahassee, Florida

Principle-In-Charge of this full design and DTM survey of the Four Points area in Tallahassee. These were multi-lane intersection surveys in support of 3R design.

EDUCATION

University of Florida, Gainesville, Florida.
Surveying and Mapping BS

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, 1996, Certification No. 5645

Professional Land Surveyor, State of Alabama, 2006, Certification No. 27945-S

Board Member: Board of Professional Surveyors and Mappers Department of Agriculture and Consumer Services, Oct 2009 – Present.

Board Member: Board of Professional Surveyors and Mappers Department of Business and Professional Regulation, 2000-2008. Board Chair, 2001 – 2005; Board Chair 2002 – 2005; Vice Chair – 2001

Education/Training

BS / Land Surveying / 1981 / University of Florida

Registration/Certification

PLS / FL – 1983 / #4179

PLS / LA - 2009 / #5023

Experience

35 Years

Professional Affiliations

- Florida Surveying and Mapping Society
- American Congress on Surveying and Mapping
- National Society of Professional Surveyors
- American Association for Geodetic Surveying

Expertise

As Senior Project Manager of Cardno TBE, Mr. Thie is responsible for the acquisition and management of Surveying and Mapping multi-year contracts and individual projects in North Florida, Alabama, Mississippi, Arkansas and Louisiana. Over the course of his career, Mr. Thie has managed hundreds projects relating to all aspects of the surveying profession. This experience has given Mr. Thie the ability to oversee projects from conception to completion. He is able to anticipate challenges before they arise and find creative and innovative solutions, assuring projects are delivered on time or ahead of schedule and in a cost-efficient manner.

Mr. Thie extensive experience throughout the Southeastern United States includes, but not limited to: Boundary, GLO Retracement, Mean High Water, Right of Way, Horizontal and Vertical Control, Transportation Design, Subsurface Utility and Hydrographic surveys.

Over the course of his career, Mr. Thie has provided surveying and mapping services to Federal, State and Local Government agencies including Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), United State Army Corp of Engineers (USACOE) and the St. Johns River Water Management District (SJRWMD) to name a few.

Mr. Thie spent eight years as the Survey Consultant Project Manager with FDOT District II. While at the DOT, Mr. Thie oversaw the execution and completion of eight district wide Surveying and Mapping and Subsurface Utility Engineering contracts. This first-hand experience gave Mr. Thie a complete understanding of District II's requirements and procedures for completing all aspects of surveying relating to transportation facilities. Mr. Thie was also involved with the development and testing of the Department's Electronic Field Book (EFB) software during his DOT tenure.

Key Project Experience

I-10 Davis-Scenic Final Design / FDOT District III / Escambia County, FL. Cardno TBE is providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. |

Mid-Bay Connector Phase II and III / FDOT District III / Okaloosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. In total, Cardno TBE designated approximately 25,600 linear feet of underground utilities and completed approximately 40 test holes.

District Wide Surveying Contract / FDOT District II / Multiple Counties, FL. On an on-call, task work order basis, Cardno TBE provides Surveying and Mapping as well as Subsurface Utility Engineering services.

Drainage Improvements / FDOT District II / St. Johns County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to determine the horizontal and vertical position of the underground utilities within the project limits.

Statewide Surveying and Mapping Services / FDEP / FL. On a task work order basis, Cardno TBE provides miscellaneous surveying and mapping services.

District Wide General Engineering Contract / FDOT District II / Multiple Counties, FL. As task work orders dictate under this multi-year contract, Cardno TBE provides control, alignment and design surveying services. We also provide designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering.

I-295 from Common Wealth to Trout River / FDOT District II / Duval County, FL. Cardno TBE is completing control and design survey services as well as providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 20 and Hawthorne Road / FDOT District II / Alachua County, FL. Cardno TBE completed control and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15/US 17 / FDOT District II / Duval County, FL. Cardno TBE completed control, alignment, and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR AIA / FDOT District II / Nassau County, FL. Cardno TBE completed control, alignment and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Putnam County, FL. Cardno TBE completed a control survey as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface

Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits. Cardno TBE completed approximately 40 test holes to map a fiber optic cable.

SR 15/US 17 at Wells Road / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15 at 5th Avenue (Callahan) / FDOT District II / Nassau County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

I-75 / FDOT District II / Hamilton County, FL. Cardno TBE provided Surveying and Mapping services to recover and densify primary and secondary horizontal and vertical control as well as completing a topographic survey within the project limits.

SR 200 / FDOT District II / Alachua County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

Education/Training

MA / Construction Engineering and Management / 1980

BS / Civil Engineering / 1971 / Auburn University

Registration/Certification

PE / 2006 / FL / #65392

PE / 2008 / LA / #0033815

PE / 2006 / AR / #11084

PE / 2005 / MS / #16853

PE / 1990 / VA / #0402 021467

Navy Contracting Officer

Certified Acquisition Professional

Experience

39 Years

Professional Affiliations

- Florida Utilities Coordinating Committee
- American Society of Civil Engineers
- Society of American Military Engineers

Expertise

As the Director of Cardno TBE's North Florida Business Unit, Mr. Allen directs all Subsurface Utility Engineering, Surveying and Mapping and professional Utility Coordination projects in North Florida, Alabama, Mississippi and Louisiana.

Mr. Allen's experience providing Subsurface Utility Engineering services includes the management multi-year contracts and hundreds of individual projects. He has an outstanding record for the quality of his team deliverables and for delivering project on-time or ahead of schedule.

He is proficient with the latest industry technology, as well as developing and implementing successful management strategies. Mr. Allen is an original member of the American Society of Civil Engineers (ASCE), Standards Committee charged with creating the *National Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data* (CI/ASCE 38-02).

Key Project Experience

Thomas P. Smith WRF Improvement Project / City of Tallahassee Water Utilities Department / Tallahassee, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits of this plant expansion project. We mapped approximately 110,000 linear feet of underground utilities within the 30 acre design site and completed 217 conflict test holes to identify and facilitate the relocation of existing subsurface utilities. Our Subsurface Utility Engineering efforts on this project involved the identification of many different types of gas, sewer and water lines all involved in the treatment of wastewater. The design engineer provided a very specific framework for us to use during data collection and design file preparation. We successfully conformed to their requirements and mapped a very intricate web of subsurface utilities. Thanks to our efforts, they were able to design around many utilities and save the project owner dollars they could then use on other improvement projects. Cardno TBE also provided Surveying and Mapping services which included densification of traverse control and mapping the stormwater and gravity sewer systems within the plant.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 263 Capital Circle SE / City of Tallahassee, FL. Cardno TBE provided locating (ASCE Quality Level A) verification for existing water and sanitary sewer facilities on Capital Circle for the widening of SR-263. TBE researched a five year-old FDOT project for the widening of Crawfordville Highway in order to re-establish the precise location of an existing 30" transite/AC

sanitary force main at the Crawfordville intersection.

City Sewer Plant on Capital Circle / City of Tallahassee, FL. To assist with the planning of expansion alternatives for the Plant, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to verify the horizontal location of existing underground electric, natural gas, telephone, control wiring, water, and process piping.

Thirty-inch Sanitary Force Main Bypass / FDOT District III / Tallahassee, FL. Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services for the design and construction of a new 30" bypass sanitary force main. Where the force main crossed SR-10/US-90 Mahan Drive in Tallahassee; we avoided numerous communications, water, and natural gas underground facilities.

SR 313 (formerly SR 312 extension) from SR-16 to US-1 / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

Multilane Reconstruction of SR 369 from Wakulla County Line to LL Wallace Road / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 8/I-10 Rest Areas / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provided

designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30 (US 98A) / FDOT District III / Bay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 87, Segment 4 / FDOT District III / Santa Rosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 83 (US 331) from Choct. Bay Relief Bridge to South of SR 20 / FDOT District III / Walton County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30/US 98 from S. of 9th Street to ICWW Bridge / Gulf County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 8 (I-10) from East of SR 291 (Davis Highway) to East of SR 10A (US 90) / FDOT District III / Escambia County, FL. For the multi-lane reconstruction project widening SR 8(I-10) from four lanes to six lanes from East of SR 291 to East of SR 10A; Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.



3. If the respondent is not a joint venture, list outside consultants anticipated to be used on this project. When listing consultants, give the respective specialty of the firm. Standard form SF330 may be used for consultants, if desired.

TECHNICAL EXPERTISE

LPA has assembled a well qualified Team to complete any potential assignment. Our office is conveniently located off Apalachee Parkway in Leon County and we have staff members with previous experience with the County. By using established local subconsultants with the technical expertise, we can stretch your dollars by minimizing travel costs. Our survey and geotechnical crews are local. Our entire Team lives and works in Leon County. For Parks and Recreational Facility Engineering services we have teamed with two Leon County/City of Tallahassee certified Minority/Women Owned Business Enterprises with which we have a long established relationship.

Environmental and Geotechnical Specialists, Inc.

104 North Magnolia Drive, Tallahassee, Florida 32301
Phone: (850) 386-1253, Fax: (850) 385-8050



The M/DBE firm of **Environmental and Geotechnical Specialists, Inc. (EGS)** provides the specialty services associated with environmental and geotechnical engineering. EGS is highly qualified and has an outstanding work experience in northern Florida. EGS specializes in the areas of environmental permitting, environmental site assessments, contamination assessments and geotechnical investigations and designs. The staff at EGS has been providing professional services in this area since 1992. EGS is dedicated to providing exceptional services at competitive rates.

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS' professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. All subsurface investigations and recommendations are coordinated with the Project Manager to assure an investigation is focused on the project issues. All team members are familiar with the requirements for geotechnical evaluations and report submittals.

EGS also has a professional and knowledgeable staff experienced in providing environmental assessments and engineering solutions to various construction related environmental problems encountered during the planning, engineering and design phase of the projects. EGS' staff is familiar with the regulatory requirements of the Northwest Florida Water Management District, the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers. The results of EGS' investigations are presented in a focused engineering report prepared by a licensed professional engineer.

3DS

2374 Capital Circle NE, Tallahassee, Florida 3230
Phone: (850) 385-1133, Fax: (850) 385-1236



3DS has extensive experience in geodetic control surveys, boundary surveys, construction layout, as-built surveys, CEI surveys, right-of-way surveys and wetland jurisdiction surveys. One of the things that makes 3DS unique is that many of these surveys can be performed either traditionally or through photogrammetric methods.

3DS is prequalified with the Florida Department of Transportation and is a Leon County / City of Tallahassee certified Minority/ Women Owned Business Enterprise.

Services Include:

- Geodetic Control Surveys
- Blue Booking Control Networks
- Topographic Surveys (conventional, photogrammetric, LiDAR)
- LiDAR data processing
- Orthophotos
- Wetland jurisdictional surveys
- Airport Surveys
- Mobile LiDAR feature extraction
- High Definition Scanning



Cardno TBE

2804 Remington Green Circle, Suite 4, Tallahassee, Florida 32308
Phone: (850) 385-8232, Fax: (850) 385-8233



Cardno TBE provides clients the highest quality Subsurface Utility Engineering, Three-Dimensional Underground Imaging, professional Utility Coordination, Utility Design and Surveying and Mapping services available.

Throughout the United States and Internationally, Cardno TBE associates are actively involved with industry associations and take part in the research and development of industry standards and guidelines. Due to this and extensive practical experience, their associates are sought internationally for speaking engagements.

Cardno TBE began providing Subsurface Utility Engineering in 1993. Annually, Cardno TBE successfully completes, on average, 11,000 test holes and 5,000,000 linear feet of designating. They have more Subsurface Utility Engineering professionals, equipment and vehicles than any other engineering and design firm, making Cardno TBE the largest Subsurface Utility Engineering provider in the world.

Cardno TBE's staff includes professional, registered surveyors and engineers, survey technicians and field crews. Each associate is focused on maintaining cutting-edge, quality service. Using sophisticated equipment and technology, their professionals prepare 2-D maps and/or 3-D digital files as needed for the task at hand. Applications include federal, state, county and city government continuing service contracts and stand-alone private and public projects.

They are an energetic firm committed to providing innovative and sustainable solutions. Cardno TBE is one of the few firms who have not only embraced the principles and techniques of Total Quality Management (TQM), but use TQM to continually examine and improve their internal processes and procedures to help implement their vision. In fact, 90% of their clients surveyed indicate they would recommend them to someone else for their services. This demonstrates their commitment to quality.

Cardno TBE is currently ranked 9th on *Trenchless Technology's* Top 50 Design Firms (2009) and #137 on *Engineering News-Record's* (ENR) List of Top 500 Design Firms (2010) and is the recipient of numerous industry and civic awards, including;

- 2006 North American Society for Trenchless Technology (NASTT) Industry Achievement Award for Cardno TBE's contribution over the past 15 years in the development and support of the trenchless technology industry
- Federal Highway Administration (FHWA) 2009 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2007 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2006 Excellence in Utility Relocation and Accommodation/Innovation Award

Headquartered in Clearwater, Florida, Cardno TBE has over 40 offices providing services throughout the United States, Canada, United Kingdom, China and Puerto Rico. For more information about Cardno TBE, visit www.CardnoTBE.com. Learn more about Subsurface Utility Engineering at www.SubsurfaceUtilityEngineering.com.



B. EXPERIENCE WITH PROJECTS OF A SIMILAR TYPE AND SIZE

1. List the projects in the Work Category which best illustrate the experience of the firm and current staff which is being assigned to this project. (List no more than 10 projects, nor projects which were completed more than five (5) years ago.) a) Name and location of the project b) The nature of the firm's responsibility on this project c) Project Owner's representative name, address and phone number d) Project user agency's representative name, address and phone number e) Date project was completed or is anticipated to be completed f) Project manager and other key professionals involved and specify the role of each.

See project summaries on the following pages.

ROOKERY BAY PEDESTRIAN BRIDGE ROOKERY BAY NATIONAL ESTUARINE RESEARCH RESERVE

Naples, Florida

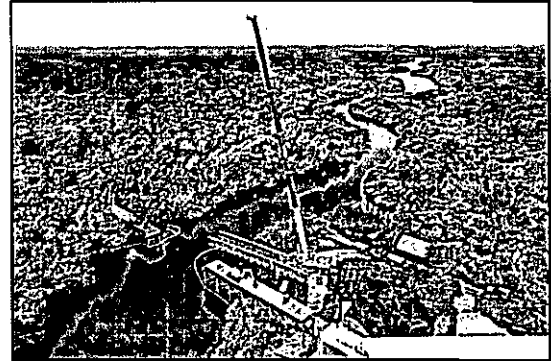
Owner: Florida Department of Environmental Protection

Construction Cost: \$500,000

Completion Date: Fall 2007 (Estimated)

Scope of Services:

- Design Services
- Environmental Assessment Services
- Construction Administration Services
- Construction Inspection Services



This project was part of an extension of Rookery Bay NERR's Learning Centers focus on estuarine and coastal ecology. The new pedestrian bridge crosses Henderson Creek connecting the Learning Center to a future nature trail.

The bridge is a 10 foot wide and 290 foot long boardwalk style pedestrian bridge using alternative building materials that leaves the second story balcony of the Learning Center. The bridge was designed to be constructed without impacts to the wetlands and with minimal impacts to the natural surroundings using top down construction techniques. Materials used in the bridge were chosen to promote Rookery Bay's focus on sustainability.

Winner of 2009 Eagle Award presented by Associated Builders and Contractors (ABC).

CONTACT:

Mr. Henri Burton
Construction Projects Consultant
Office of Aquatic Managed Areas
3900 Commonwealth Boulevard,
MS 235
Tallahassee, Florida 32399
Phone: (850) 245-2105



BAYOU CHICO BRIDGE REPLACEMENT SR 30 (US 98)

Escambia County, Florida

Owner: Florida Department of Transportation

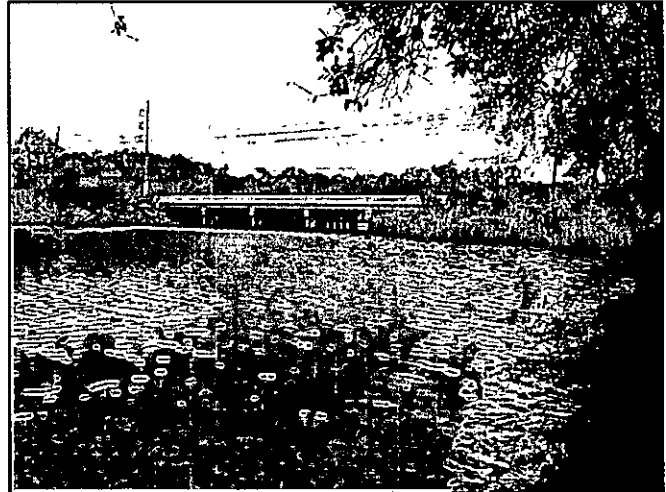
Construction Cost: \$7,500,000

Start Date: April 2005 (Design)

Completion Date: March 2007 (Plans)

Scope of Services:

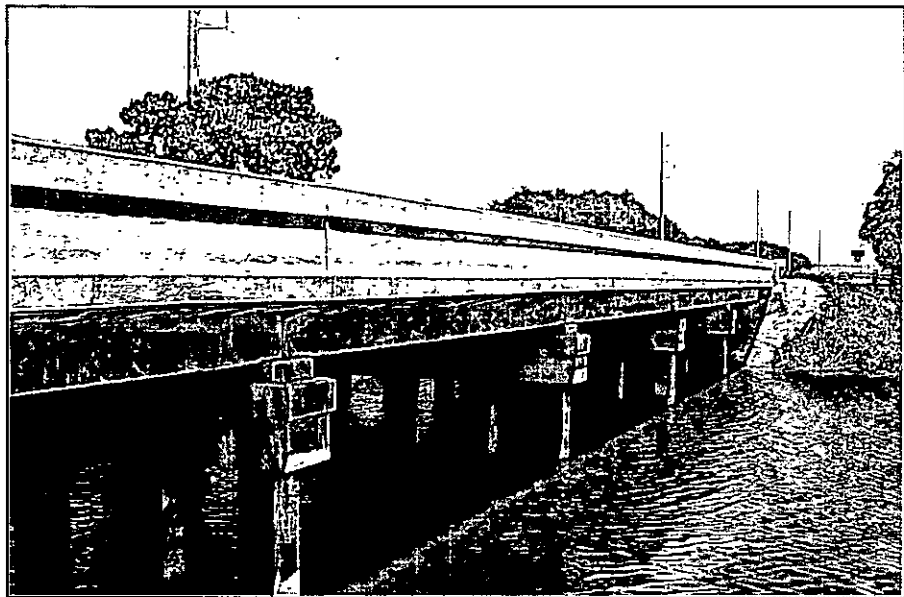
- Bridge Development Report
- Bridge Hydraulic Study
- Preliminary Bridge and Roadway Plans
- Final Bridge and Roadway Plans
- Traffic Control Plans
- Signing and Pavement Marking Plans
- Utility Coordination
- Environmental Permits
- Coast Guard Permit



This project centered around the replacement of twin two-lane bridges in Pensacola, Florida. The existing bridge was structurally deficient with several superstructure issues at bearing locations. THE LPA GROUP, as prime consultant, provided the design of a new Type III AASHTO girder bridge founded on 30" concrete piles on cast-in-place concrete caps. A detailed hydraulic study was conducted for this tidal location as well as to show conformance with FEMA "No Rise" requirements. The new structure was designed to be constructed using staged construction methods allowing two lanes of traffic during all construction operations. The vertical profile on the new structure was increased by eight feet to accommodate boat traffic thereby requiring intense coordination with Utility Owners within the right-of-way.

CONTACT:

Dean Mitchell, PE
PBS&J
1141 Jackson Avenue
Chipley, Florida 32428
Phone: (850) 638-2288
Fax: (850) 638-3002



MoDOT SAFE & SOUND BRIDGE IMPROVEMENT PROJECT

Statewide, Missouri

Owner: Missouri Department of Transportation

Construction Cost: \$487,000,000 (Est.)

Start Date: June 2009

Completion Date: December 2013

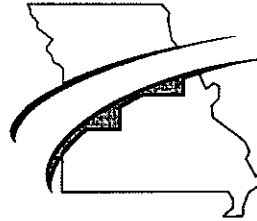
Scope of Services:

- Program Management
- Final Bridge Plans
- Bridge Standard Development
- Final Roadway Construction Plans
- Preliminary Bridge Plans
- Hydraulic Analysis

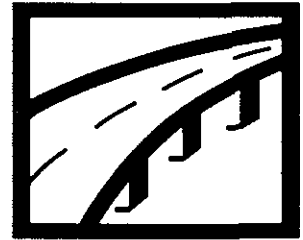
THE LPA GROUP is the co-lead design firm for the KTU Constructors Design-Build team for this landmark project that includes replacement of 554 structurally deficient bridges across the state of Missouri. All 114 counties in the state have at least one bridge for a total of 2 million square feet of bridge deck. The bridges will be replaced using accelerated construction techniques with the majority of the structures consisting of standardized precast superstructure and substructure components. The average construction duration of each bridge is only 45 days. THE LPA GROUP is responsible for the roadway, hydraulic and bridge design for 372 of the 554 bridges. Design was completed in 18 months with the construction of all of the bridges completed within 42 months.

CONTACT:

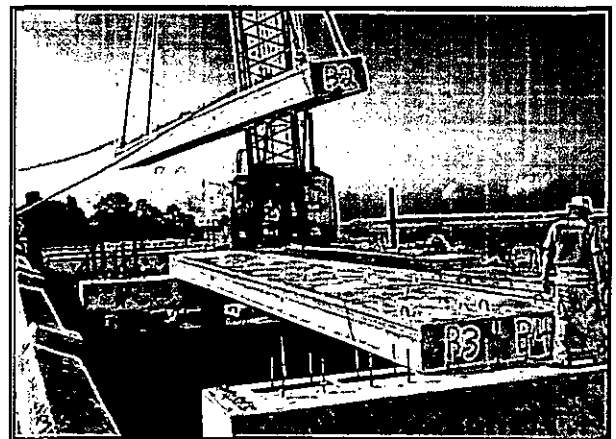
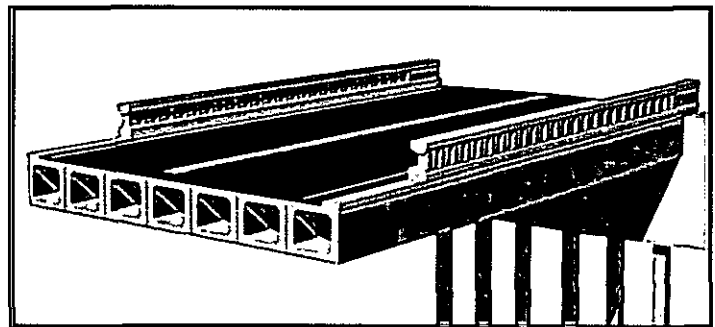
Mr. Ken Warbritton, P.E.
Project Director
MoDOT
P.O. Box 270
Jefferson City, MO 65109
Phone: (573) 526-3282



KTU CONSTRUCTORS



SAFE &
SOUND



TURNBULL CREEK BRIDGE REPLACEMENT U.S. 1 (SR 5)

Volusia County, Florida

Owner: Florida Department of Transportation District Five

Construction Cost: \$485,000

Completion Date: 2007

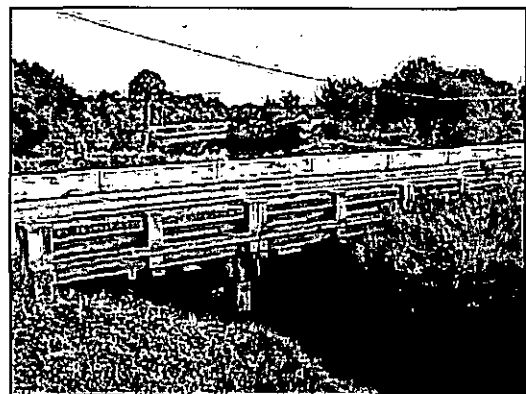
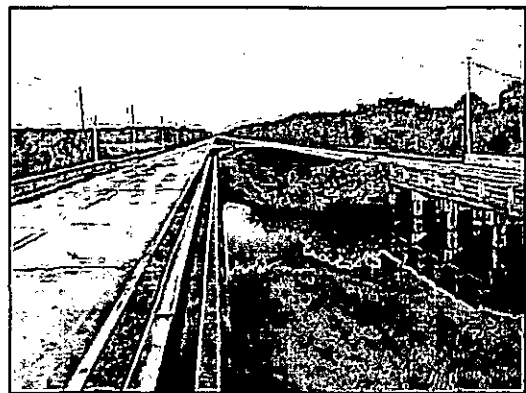
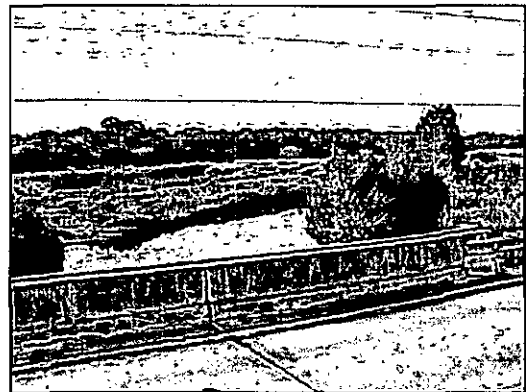
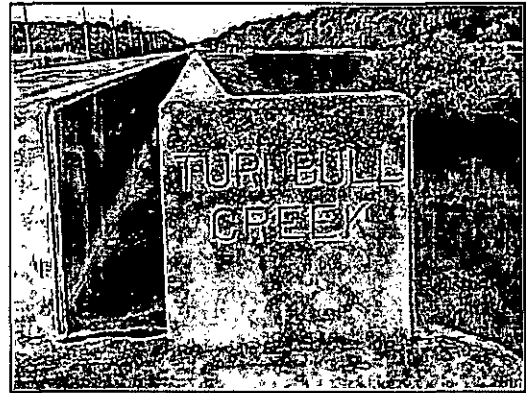
Scope of Services:

- Bridge Development Report
- Bridge Hydraulic Study
- Preliminary Bridge and Roadway Plans
- Final Bridge and Roadway Plans
- Traffic Control Plans
- Signing and Pavement Marking Plans
- Environmental Permits

THE LPA GROUP provided engineering services for the replacement of the existing southbound bridge over Turnbull Creek. The existing bridge was functionally obsolete due to lack of shoulders. The existing bridge is founded on timber piles of unknown capacity and advance signs of deterioration. The new structure is an 18-inch deep, 180-ft long cast-in-place flat slab bridge consisting of six spans at 30 feet. The substructure consists of 24-inch precast, prestressed concrete piles with cast-in-place caps. A detailed bridge hydraulic study was completed to assess the effects of scour and stream pressure. The project is located adjacent to the Merritt Island National Wildlife Refuge and part of the Indian River Lagoon. The waterway is widely used by canoe and kayak enthusiasts, therefore, Maintenance of Traffic Plans provided construction staging, advance signing, and routing to allow access under the bridge during construction operations for all water-borne traffic.

CONTACT:

Mr. Christopher Dabson, P.E.
 FDOT District Five
 719 South Woodland Boulevard
 DeLand, Florida 32720-6834
 Phone: (386) 943-5000
 Fax: (386) 726-5153



HARDEE COUNTY LINE ROAD BRIDGE HYDRAULIC REPORT & BRIDGE REPLACEMENT

Polk County, Florida

Owner: Polk County

Completion Date: January 2009 (Design)
January 2010 (Construction)

Bridge Hydraulic Report Fee: \$49,774
Bridge Replacement Design: \$274,630
Post Design: \$50,000
Construction Cost: \$1,004,533

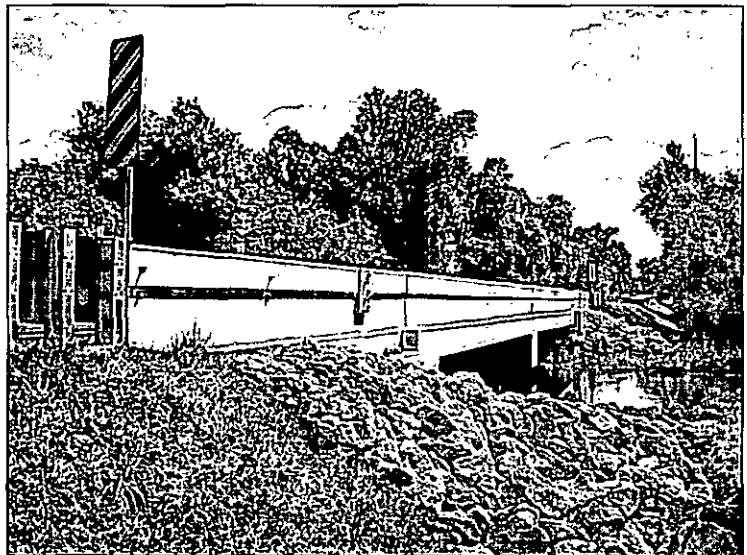
Scope of Services:

- Bridge Hydraulic Report
- Roadway Plans
- Bridge Plans
- Maintenance of Traffic Plans
- Signing and Marking Plans
- Drainage Design
- Permitting (SWFWMD Permit Obtained)
- Utility Coordination
- Cost Estimates
- Post Design
- Survey (Provided by Polk County)
- Geotechnical (Provided by Subconsultant)
- Archaeological and Historical Assessment (Provided by Subconsultant)

The Line Road Bridge Hydraulic Report and Bridge Replacement Project included a hydraulic study and design of the County Line Road bridge to replace the former timber bridge over the Little Payne Creek in Polk County, Florida.

CONTACT:

Mr. Christopher M. Ray, P.E.
Polk County
Post Office Box 9005
330 W. Church Street
Bartow, Florida 33831
Phone: (863)-534-6755





2. Provide names and descriptions of projects for which the firm is presently under contract that demonstrate capabilities and qualifications for this work category.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

3. Describe the Firm/Joint Venture's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for this Work Category.

The LPA Team assures that current design standards and processes and procedures are followed for all projects by following an approved quality control procedure. All staff are trained in the QC procedures and all LPA project managers review the QC procedures to ensure that they are adhered to for all assignments.

QUALITY CONTROL/QUALITY ASSURANCE

LPA's Mission Statement requires delivering a quality product that exceeds our clients' expectations for accuracy, innovation, and timeliness. To ensure compliance with these requirements, LPA has established strict procedures to monitor the quality of the construction plans and other documents.

The issue of quality at LPA goes above and beyond production control of the actual documents and plans. LPA, through its association with the American Society for Quality Control and local area quality councils, is committed to the quality improvement process.

The responsibility for quality control rests with the Team's Project Manager. This leader is responsible for ensuring that all elements of the design receive the appropriate reviews (plans checking, quality reviews, and peer reviews). In addition to scheduled reviews, periodic reviews will also be performed by senior members of LPA who are not directly associated with the project. LPA's quality program not only incorporates the review and checking of documents and plans, but also recognizes the importance of continuous training of managerial as well as technical personnel.

The Quality Control Procedures for these projects include the following basic elements:

- **Pre-Project Meetings:** These meetings will be attended by all prospective team members to develop concepts and strategies that will guide development of the plans and specifications, define communication lines, delegate responsibilities, establish financial objectives, and set deadlines.



CURRENT DESIGN STANDARDS

The LPA Team is familiar and trained in the use of all appropriate design standards for any of the possible assignments under this contract. This includes FDOT and other state agencies, Federal and local design standards that may apply to each specific assignment. For each assignment, the LPA Team will prepare a Project Criteria Document. This document is prepared for every project and will specify which particular design standard and specific criteria within that standard will apply for each assignment. The Project Criteria Document will be completed and submitted to Leon County Public Works for concurrence prior to commencement of any work on a specific assignment.

CURRENT TRAINING

To supplement our design experiences and to stay current on recent technology and developments, our staff participates in conferences and seminars. The following is a list of conferences and seminars our staff has recently attended:

- Advanced Maintenance of Traffic (MOT)
- Utility Accommodation
- Long Range Estimates (LRE)
- Specification Package Preparation
- Errors and Omissions
- Microstation V8 Seminar
- FICE/ FDOT Design Conferences and Seminars

Use of the FDOT design requirements as established in the "Greenbook" will be employed, as well as AASHTO and FDOT Standard Indexes. Contractors have familiarity with these standards, and use of these will be to the County's benefit.



C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Given the fiscal constraints of local governments, and Leon County in particular, all budget requirements for projects to be assigned must be met. Describe your methodology for ensuring the schedule is met and for ensuring budget requirements are not exceeded.

The completion of successful projects require that the firm have a thorough understanding of the project schedule and the project budget and that quality design and construction documents are provided to Leon County. The LPA Team is committed to quality in all its assignments and will provide a product that exceeds Leon County's expectations for timely delivery and on (or under) budget design and schedule.

PROJECT SCHEDULE

THE LPA GROUP INCORPORATED will develop a detailed schedule for every project, highlighting the major work efforts with a breakdown of the sub-tasks and corresponding time periods and manpower required to complete the work. Successful completion of the project will necessitate continuous coordination between the County's Project Manager and LPA to ensure strict adherence to the County approved project schedule. The LPA Team will assure that this coordination occurs without burdening the County's staff.

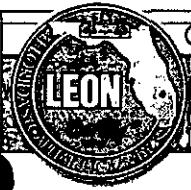
Depending on the type of project, several tasks may become critical to the schedule and the timely completion of the project. These tasks may include:

- Environmental Studies
- Geotechnical Exploration
- Design and RW Surveys
- Traffic Analysis
- Drainage Analysis and Design
- Roadway Analysis and Design
- Bridge/Structural Plans
- Identification of Right-of-Way Requirements
- Utility Coordination and Utility Plans
- Cost Estimates

To ensure compliance with the schedule, crucial tasks will be identified early and multiple teams will be assigned to perform several tasks in parallel.

BUDGET

The LPA Team monitors project budgets continuously over the life of each assignment. Monthly, all LPA Project Managers report project status to their managers. This status evaluates project progress by reviewing the schedule and tasks completed to date. Each month a new 'estimate to complete' is prepared which estimates time and tasks necessary to complete the project. Project schedules are 'resource loaded' with the project budget, which provides a valuable tool to evaluate budget over its life. Monthly, the project is deemed either ahead, on, or behind schedule.



D. EFFECT OF FIRM'S RECENT, CURRENT AND PROJECTED WORKLOAD

1. Provide names and descriptions of projects for which the firm is presently under contract and the anticipated completion dates of those projects.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

2. Describe the firm's ability to absorb any projects resulting from this contract.

THE LPA GROUP is committed and available to provide engineering services for any assignment under this contract. LPA has the management tools in place to anticipate upcoming assignments and to assign appropriate staff to complete projects within approved schedules and on or under budget. Specifically, the LPA Team will provide Leon County with the following for these assignments:

FULL SERVICE CAPABILITIES

THE LPA GROUP INCORPORATED is fully capable of acting as an extension of the County's staff to administer all required engineering design services for the preparation of plans and specifications meeting the County's requirements. LPA's transportation experience encompasses a broad range of projects with variable complexities, including minor projects such as roadway milling and resurfacing and stormwater modeling. Major projects include the construction of limited access highways, interchange modifications, and complex bridge designs. The following is a list of LPA's pre-qualification work classes for the Florida Department of Transportation:

- 2.0 Project Development and Environmental Studies
- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Complex Highway Design
- 4.1 Minor Bridge Design
- 4.2 Major Bridge Design



- 5.1 Conventional Bridge Inspection
- 5.3 Complex Bridge Inspection
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3 Traffic Control Systems Analysis, Design, and Implementation
- 7.1 Signing, Pavement Marking and Channelization
- 7.3 Signalization
- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI
- 13.4 Systems Planning
- 13.5 Sub Area/Corridor Planning
- 13.6 Land Planning/Engineering

FAMILIARITY WITH PROJECT

LPA's key personnel have been involved with numerous projects similar to what may be assigned under this contract. We feel we have a clear understanding of the scope of the variety of these projects and can meet all of the County's needs. For a detailed description of our approaches and understandings, see the Section titled "*F. Approach to the Project.*"

ABILITY TO MEET DEADLINES

The Firm has a proven track record in performing and meeting tight schedules. We fully understand that this is a high priority item with clients; therefore, we will meet all deadlines established for your projects. Our past successful experience with On-Call design services is a proven record of our commitment to meet deadlines.

WORK LOAD

The current and projected work commitments for the professional, technical, and supporting staff of LPA are low with respect to the capabilities of the staff to effectively prosecute additional work commitments. We are prepared to begin work on your projects immediately.

PROFESSIONAL INTEGRITY

LPA has been retained by municipalities throughout the United States to provide transportation consulting services. Many of these Clients are repeat clients who demand the utmost in professional integrity and competence from their transportation consultant.

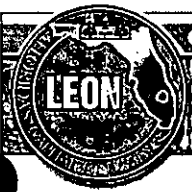


E. EFFECT OF PROJECT TEAM LOCATION

Provide the location of where the project team will predominately reside to conduct the majority of work. If located out of the region, describe the plan for ensuring community involvement and on-site visits.

LPA's Tallahassee office, located off Apalachee Parkway in the Koger Center, is a 15 minute drive from the Leon County Public Works office on Miccosukee Road. All of our subconsultants are also located within the Leon County area. LPA's Tallahassee office is a full-service 25 person engineering office. The Tallahassee office was opened in 1995 and has operated continuously since then. The office can respond quickly to all of Leon County's project needs. Our Tallahassee production office will conduct all work efforts on engineering design services. This office is fully supported by other engineers and designers in Florida and throughout other offices in the southeast United States. Our corporate resources of over 2,900 employees in 85 offices guarantee that we have the available manpower needed to successfully complete this contract. All work efforts will be supervised and coordinated by our Project Manager, Michael Schwier, P.E., the Principal-In-Charge; Gerald Oshesky, P.E.; and the QA/QC Manager, Dan Selman. Each of these staff members are located in the Tallahassee office of LPA.

Our philosophy toward client service has generated a level of trust between LPA and our clients. This philosophy and manner of conducting business provides Leon County with the comfort of knowing that issues are appropriately handled in a professional manner and that you are kept informed of these issues as they arise. We benefit from a significant amount of repeat business, and many of our clients have rewarded us with multi-year, open-ended agreements.



F. APPROACH TO THE PROJECT

Present in brief, concise terms, a summary level description of the company's approach to accepting and completing any specific projects assigned under this contract.

THE LPA GROUP INCORPORATED and our supporting Team members have the experience and expertise to complete the required engineering services on a County-wide basis for this contract. Our designs will conform to the current FDOT and AASHTO Standards and Specifications as required by the scope of services for each assignment. LPA has a comprehensive complement of engineers and designers located in Tallahassee to provide a full in-house design covering bridge design and repair, hydraulic design, roadway design and traffic control plans.

While each task assignment is unique and will be viewed individually, the LPA Team will take a systematic approach for scoping and performing each task assignment following this general procedure:

- Review the initial scope of services.
- Request and review project specific information. This would include existing bridge plans, pile driving records, inspection reports and shop drawings. We understand the District has much of this data in electronic form, making transmission of this information simple. The existing documents will be important to further identify the deficiency and to help develop the preliminary solution. Areas of concern will be noted and reviewed during the field review.
- Review the project with Leon County staff as needed for additional clarification.
- Conduct a field review to access the deficiency. We would expect that the field review would be conducted with Leon County Maintenance staff for items that are not routine in nature. Photos, video and sketches will be taken to document the conditions. If possible, LPA will collect all the existing conditions data at this time to eliminate the need for additional field reviews.
- Coordinate with appropriate subconsultants to develop a course of action and fee proposal. This may happen prior to the field review to insure the proper Team members are present.
- Identify specific requirements and develop scope and fee.
 - Additional services could include wetlands identification and permitting, traffic control, scour evaluation, survey and maintenance painting, for example.
 - The LPA Team will evaluate each project and discuss scope recommendations with the County in a proactive manner while keeping an eye on budgetary restraints.
 - If the project is an emergency, LPA will immediately provide engineering services as required to ensure the safety of the traveling public.
- Prepare final scope of services.
- Design and prepare construction plans and documents. LPA anticipates that for the majority of the projects Phase II (60%) or III (90%) plans can be prepared as our first submittal allowing for an accelerated project schedule and cost savings to the District.

Proper prior planning and a systematic approach to each task assignment will result in successful projects allowing us to maintain our project schedule and reduce claims and construction delays. Our approach to each project will be focused on minimizing the County's involvement once the project is properly scoped.

UNDERSTANDING OF SCOPE & OUR EXPERIENCE

The LPA Team will complete each project following FDOT or County procedures and guidelines set forth in the scope of services as well as AASHTO as is typical of all structural projects. Additional FDOT procedures or programs that LPA is accustomed to working with and has been trained in include:



- TRNS*PORT
- Specifications Package
- Electronic Review and Comment System
- ASBI Grouting Certification
- BARS, SALOD and BRUFEM Load Rating Software
- Advanced Work Zone Safety
- LRFR Load Rating

Over the course of the contract a variety of engineering activities will be completed. A partial list of activities we anticipate completing include:

- Bridge Load Rating
- Scour Analysis
- Design of Scour Mitigation Plans
- Bridge Bearing Replacement
- Traffic Barrier Rail Upgrades
- Fender Repair
- Design of Corrosion Protection Measures
- Expansion Joint Replacement
- Design of Bridge Strengthening Measures
- Revising or Updating "Shelved" Construction Plans for Letting

Additional tasks that are likely but are not necessarily structures related include:

- Final construction documents covering bridge repair; minor roadway improvements or modifications; signing and pavement markings; traffic control plans; stormwater and hydraulics; scour abatement; lighting; erosion and sediment control; wetland delineation and permitting; and utility relocations. The complete construction documents would include specifications, computations book, pay items, quantities and design documentation.
- Preliminary plans for use in coordinating with utility owners and other stakeholders
- Design and topographic survey
- Right-of-Way survey and mapping
- Wetland delineation and environmental permitting with US Corp of Engineers, Florida Department of Environmental Protection, Northwest Florida Water Management District and possibly Suwannee River Water management District
- Geotechnical Investigation
- Plans Review
- Shop Drawing Review
- Post Design Services

DESIGN OF MINOR BRIDGE REPAIRS

LPA has long been a partner with Leon County and many other clients completing all of our projects in a time sensitive manner. The repair of minor bridges may require a quick response to assess the deficiency and develop repair plans. LPA and our Team will respond immediately to any emergency needs the County may have. Our key structures engineers are located in Tallahassee



and can be onsite anywhere within the County in a matter of hours. LPA has the company resources available throughout our company to handle any emergency task that may arise. LPA currently has 20 Bridge Professional Engineers and a total bridge production staff of 50 personnel in Florida. Additionally, we currently have seven bridge inspectors and underwater inspectors on staff in Florida and a total of 18 Certified Bridge Inspectors that could provide additional support if needed.

SCOUR ANALYSIS & MITIGATION

Our Hydraulics Group is based in Tallahassee and led by Ed Ringe, P.E. Ed is the former State Drainage Engineer and specializes in bridge hydraulics design and stormwater management systems. With a career that spans over 45 years, Ed's experience includes scour evaluations, bridge hydraulic studies, drainage design, stormwater management master planning and post-design construction services. Central Office Drainage was responsible for all bridge hydraulic designs prior to decentralization. This FDOT's unit was responsible for review and approval of all bridge and bridge culverts statewide. As a design engineer in this unit (1970-1974) and as State Drainage Engineer (1975-1990) Ed was fully aware of the Central Office Bridge Structures foundation design procedures utilized in the 1960s through the 1980s. He was also the FDOT member on the AASHTO Task Force on Hydrology and Hydraulics during the development of the initial FHWA scour procedure development and supervised the development of the initial FDOT Scour Screening procedures. Ed's long history with Florida and its development of hydraulic design procedures provides us with invaluable expertise in analyzing our State's aging bridges that are susceptible to scour.

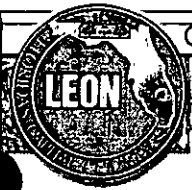
For bridges that have defined foundation issues or issues that may be foundation related such as bridge settlement, a hydraulic analysis maybe warranted as a component of the repair design activity. The extent and detail of the analysis would be tailored to the actual situation. If the deficiency has been created by a single flood event, the analysis should focus on identification of any changed conditions, the flood frequency and the probability of a recurrence of similar or more severe event within the remaining service life of the structure. For repairs that relate to scour issues, the analysis would include an evaluation of the extent and effectiveness of scour countermeasures to address the situation and the level of risk.

Prior to any analysis, the bridge records would be reviewed to determine what design or scour evaluation studies had been done to build on that work. Existing studies including flood insurance studies would be reviewed for possible errors, changed conditions and recent flood history. If limited or no design information were available, a full or modified design procedure would be indicated. The LPA Team would look to develop countermeasure to allow the structure to meet its remaining service life.

DESIGN OF MINOR BRIDGES

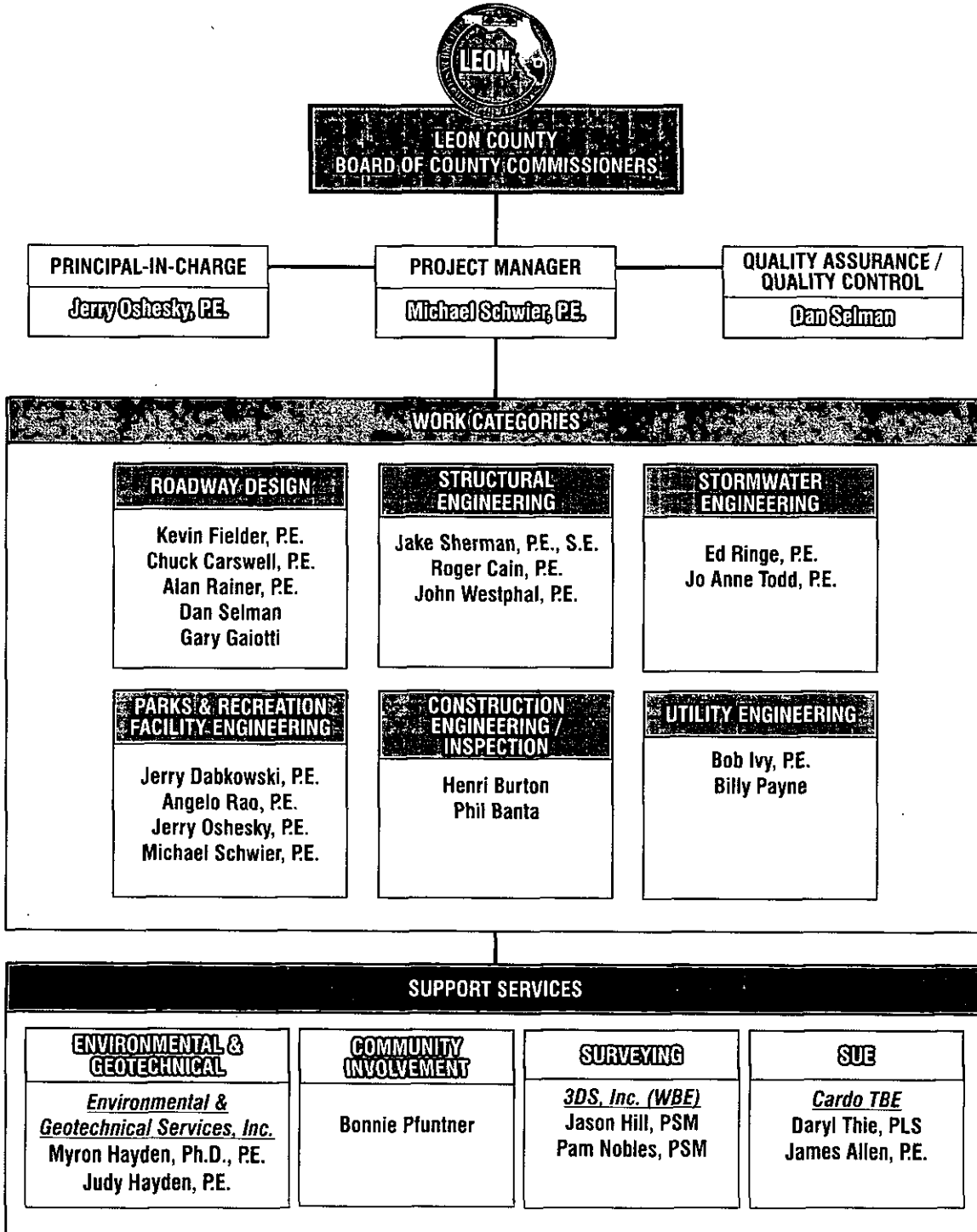
Our design of a minor bridge would begin with the Bridge Development Report (BDR). For a minor structure an extensive BDR is not required nor warranted. The main focus of the report would be on construction costs finding the most effective balance of superstructure and substructure costs. The most common minor bridge is the concrete flat slab on pile bents. We would also recommend evaluating box culverts as well if hydraulically appropriate for the site. With the introduction of the Florida I Beam, medium spans with shallow girders may now be more competitive as a single span option. The additional roadway cost will be considered to get a true comparison between structure types. The hydraulic opening and span arrangement will be coordinated with the hydraulic engineer as will the effects of scour on the substructure. LPA will work with our Team subconsultant, Environmental & Geotechnical Specialists, Inc. (EGS) to determine viable foundation options and capacities from the BDR stage through final design. For the design of minor bridges, the focus is on cost effective designs.

In summary, the LPA Team has a well qualified staff of experienced structural engineers located in its Tallahassee Office with additional resources if required available from other Florida offices. We understand that counties typically have various types of structures throughout its roadway system. An open-minded, innovative approach is often required in order to meet project goals in these budget constrained times. The LPA Team will bring that experience to Leon County for this contract.



A. ABILITY OF PROFESSIONAL PERSONNEL

1. Provide the total number of professionals in your organization who may be assigned to this category of project and their availability to provide services on relatively short notice for the small to medium size projects that are contemplated in this contract.





Work Category	Personnel	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12
Stormwater Engineering	Ed Ringe, PE.	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%	60%
Stormwater Engineering	Jo Anne Todd, PE.	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Dan Selman	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Kevin Fielder, PE.	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Chuck Carswell, PE.	40%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Alan Rainer, PE.	20%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Gary Gaiotti	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Structural Engineering	Jake Sherman, P.E., S.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	Roger Cain, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	John Westphal, PE.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Henri Burton	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Phil Banta	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Jerry Dabkowski, PE.	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Angelo Rao, PE.	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Parks & Recreation	Jerry Oshesky, PE.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Parks & Recreation	Michael Schwier, PE.	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Utility Engineering	Billy Payne	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Utility Engineering	Bob Ivy, PE.	50%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Community Involvement	Bonnie Pfuntner	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%

EXPERIENCED QUALIFIED STAFF

LPA has a staff of certified and experienced construction engineering and inspection (CEI) personnel, testing technicians, surveyors, utility coordinators, and design professionals. The qualifications, experience, and technical competence of our large pool of certified construction professionals permits the completion of complex, large-scale projects with short accelerated schedules.

LPA's CEI staff is accustomed to functioning in a wide variety of complex construction environments. We have over 110 employees working in a construction-related capacity, which composes nearly 1/3 of our entire staff.

LPA's CEI experience includes:

- Design-Build
- Controlled Access Highways
- Large Bridge Structures
- Drilled Shafts
- MSE Wall Construction
- ITS / Traffic Signal Installation
- ROW Coordination
- Utility Relocations
- Large Earthwork Operations
- Interchanges
- Wetlands and River Crossings
- Light Rail
- Railroad Encroachments

2. Give brief resume of key persons to be assigned to the project, including but not limited to: 1) Name & title 2) Job assignment for other projects 3) How many years with this firm 4) How many years with other firms 5) Experience a) Types of projects b) Size of projects (dollar value and scope of project) c) What was the specific project involvement? 6) Education 7) Active registration 8) Other experience and qualifications relevant to this project.

The resumes can be found on the following pages.

QUALIFICATIONS:

B.S., Civil Engineering, 1964
West Virginia University

B.S., 1962
Davis & Elkins College, Elkins, West Virginia

REGISTRATION:

Professional Engineer (FL #13580)

PROFESSIONAL EXPERIENCE:

1964 - 2011 (Career)
2003 - 2011 (LPA)

Senior Drainage Engineer
THE LPA GROUP INCORPORATED

Mr. Ringe specializes in roadway and storm drainage design, bridge hydraulics design, stormwater management systems and stormwater master plans. During a career that spans over 45 years, Mr. Ringe's experience includes roadway and drainage design from 3-R multi-lane reconstruction to limited access projects, drainage studies and remediation design, stormwater management design and master planning and post-design construction services enhanced by a background in roadway construction, materials testing, precast and prestress concrete inspection. As a senior drainage engineer and diverse background, Mr. Ringe is able to provide outstanding QC expertise.

Following 30 years of progressively responsible service with the Florida Department of Transportation from June 1964 - June 1994, Mr. Ringe has continued his career in the private sector by providing senior stormwater management, and drainage design and quality assurance services on many FDOT, County and Municipal projects.

LPA project experience:

Mr. Ringe has been responsible for stormwater/hydraulic design, and highway design support on:

- Holmes County Bridge Replacement Project for FDOT District Three – Sr. Drainage Engineer for replacement of one-lane timber bridges with bridge culverts on Corinth Road over Otter Creek and Bonifay-ChIPLEY Road over Camp Branch.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Sr. Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 from Lost Creek Bridge to US 98, in Wakulla County for FDOT District Three – Bridge Hydraulics, Drainage Design and Permitting for four mile widening and realignment from two-lane rural to four-lane urban with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement.
- SR 10 (US 90) Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, in Leon County for FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.
- SR 20 (US 27) from Leon Co. Line to Waukeenah in Jefferson County for FDOT District Three – Milling and resurfacing of a 13 mile segment of a four-lane rural roadway including evaluation and recommendations of all existing drainage facilities for serviceability and function.

AREAS OF EXPERTISE:

- **Roadway Design**
- **Bridge Hydraulics Design**
- **Stormwater Management Systems**

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Agricultural Interdiction Station on I-95 in Nassau County for FDOT District Two – Drainage design and permitting for site expansion of existing facility including interstate ramp widening.
- Agricultural Interdiction Station on I-10 in Escambia County for FDOT District Three.
- Blueprint 2000 (a City of Tallahassee/Leon County joint agency): Ed provided technical development of the Blueprint 2000 stormwater technical specifications and standards and project concept reports. He also provided technical review support on proposals for three segments of the Capital Circle projects totaling eight miles. These projects were for the reconstruction of the two-lane rural truck route around Tallahassee to a six-lane urban curb and gutter roadway, including sidewalks and a meandering trail using both design/bid/build and design/build contract formats. Ed also served as the GEC Project Manager on the first Capital Cascades Trail Master Plan project, and remains the hydrologic technical advisor for the Capital Cascade Trail project. Capital Cascade Trail is a 4+ mile restoration of the St. Augustine Branch from a ditch to a linear trail and improved conveyance system to address stormwater treatment and attenuation facilities to reduce flooding in downtown Tallahassee. Ed is also responsible for stormwater management and drainage design review for the other Blueprint 2000 projects as an on-call staff member of the GEC.
- John James Audubon Bridge, Louisiana (2004 - Present): Ed Ringe acted as an owner's representative in the development of the Hydrology (roadway drainage) technical specifications for the Louisiana Timed Managers (LTM) on the J.J Audubon Bridge project. LTM is the GEC for the Louisiana Department of Transportation and Development (LDOTD). J.J.Audubon Bridge is a 1583' cable-stayed bridge structure over the Mississippi River, over 12,000 linear feet of approach bridge structures and over 12 miles of new roadways, connect US 61 in West Feliciana Parish, LA to LA Route 10 in Pointe Coupee, LA. Approaches to the main bridge, as well as various bridges along the alignment consist of conventional steel and concrete girder structures. Ed subsequently served on the technical evaluation committee for the approach roadway and drainage component and also on the main channel structure scour technical proposal evaluation. The project technical specifications allowed the use of the FDOT scour equations and procedures for complex piers on all bridge structures.

Project experience prior to LPA:

As Senior Stormwater Engineer, Mr. Ringe has been responsible for the stormwater/hydraulic design on numerous major public work projects for FDOT:

- FDOT, Hopkins Creek Design Build District 2 (Design Project Manager)
- FDOT, US 98, Bay County – 3-level phased interchange at Thomas Drive
- FDOT, SR 79, Bay County, 3 projects – 2 to 4-lane reconstruction - 17 miles
- FDOT, SR 202, Duval County – 4 to 6-lane reconstruction - 5 miles on site Stormwater treatment
- FDOT, I-75, Hamilton County – 4 to 6-lane reconstruction - 28 miles
- FDOT, SR 261, Leon County – 2-lane RRR project - 4 miles
- FDOT, SR 16, St. John County – 4-lane reconstruction and bridge replacement

QUALIFICATIONS:

B.S., Civil Engineering, 1981
University of Alabama

REGISTRATION:

Professional Engineer (FL #38850)

PROFESSIONAL EXPERIENCE:

1981 - 2011 (Career)
2005 - 2011 (LPA)

Stormwater Engineer
THE LPA GROUP INCORPORATED

Ms. Todd specializes in the design of stormwater management systems.

LPA project experience includes:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Pensacola Regional Airport Rental Car Facility – Stormwater design and permitting.
- SR 61 from Lost Creek Bridge to US 98 – Wakulla County, Florida, FDOT District Three – 4.1-mile widening and realignment from two-lane rural to four-lane urban and suburban roadway with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement and stormwater design.
- SR 10 (US 90 Drive) from Dempsey Mayo to four-lane at I-10 interchange – Leon County, FDOT District Three – Reconstruction of a three-mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks that also included stormwater design and permitting.
- SR 30 (US 98) over Bayou Chico; Escambia County, Florida – Stormwater design, Bridge Hydraulic Report and permitting for a bridge replacement and roadway improvements.
- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Subconsultant role for the design and permitting of drainage and stormwater facilities on roadway widening from five lanes to seven lanes.
- City of Tallahassee, Tallahassee Regional Airport – SIS Connectors – Performed drainage design services in widening turn lanes, drainage improvements, and access management – 1.35 miles.
- Northwest Florida Regional Airport Rental Car Facility – Stormwater design and permitting.
- Agricultural Interdiction Station on I-95, Nassau County, FDOT District Two – Site expansion of existing facility including interstate ramp widening and stormwater design and permitting.

Project experience prior to joining LPA includes:

- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Project Engineer for the design, permit drainage and stormwater facilities on roadway widening from five lanes to seven lanes.

AREAS OF EXPERTISE:

- *Stormwater Design*
- *Stormwater Master Plans*
- *Permitting*

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Parker Master Plan and Inventory, Parker, Florida – Consultant on this project to inventory all drainage structures and pipes 18" and larger within the city. The project also included establishing watersheds and developing a Stormwater Master Plan for the city, including conceptual plans for budget and priority planning.
- Parker Bayou North Watershed, Parker, Florida – Consultant on the design and permit construction plans to implement improvements on this watershed.
- Martin Lake South Watershed Implementation Project, Parker, Florida – Designed and developed construction plans to address water quality and flooding issues within this watershed and for the stormwater management facilities and conveyance improvements for the PEEP Park project within the watershed.
- Callaway Stormwater Master Plan, Callaway, Florida – Stormwater facility inventory and watershed analysis.
- Stormwater Improvement Projects: Plantation Way; Donna Avenue / Howard Road; Chico Lane / Hugh Thomas Drive; and LaCosta Avenue, Callaway, Florida – Evaluated drainage problem areas which were causing flooding and related pavement problems. Developed design and construction plans to correct the identified problems.
- SR 16, FDOT, St. Johns County – Project involved a four-lane reconstruction with curb and gutter, including a bridge replacement. Project Engineer on the design and permit construction plans for a stormwater treatment system.
- I-75, FDOT, Hamilton County – Project Engineer on drainage redesign and roadway widening from four lanes to six lanes involving 28 miles of Interstate 75.
- SR 261, FDOT, Leon County – Project Engineer on resurfacing, reconstruction, and rehabilitation including drainage design.

PROFESSIONAL EXPERIENCE:

1977 - 2011 (Career)
 2002 - 2011 (LPA)

Project Manager
THE LPA GROUP INCORPORATED

Dan has over 33 years of engineering experience in virtually all disciplines of Highway Engineering including GEC Contract Management, Roadway Design, Surveying and Construction Management. Dan provides technical expertise and Quality Assurance and Quality Control for LPA's FDOT projects. Dan has served as Project Manager and Senior Designer on several FDOT widening and milling and resurfacing, reconstruction and realignment projects. The table below lists some of those projects and the grades each one received.

Project / District	Components	Final Grades
US 27 (SR 20)	7 miles of resurfacing	Quality 4.0 (new grading system)
I-75 widening projects D2	30 miles of resurfacing, widening and safety modification	Design 92 Construction 100
SR 16 Lewis Speedway to CSX RR / D2	New alignment 4-lane urban	Design 94 Construction 100
SR 263 at US 27	Intersection improvements/ right turn lane design	Design 95 Construction 97
SR 263 NW resurfacing D3	2.5 miles of resurfacing, safety modifications and stormwater improvements	Design 92 Construction 94

AREAS OF EXPERTISE:

- Project Management
- Program Management
- CEI Services
- Roadway Design
- Surveys

LPA project experience includes:

- Neighborhood Enhancement Program for City of Tallahassee – Project Manager for GEC contract, included consultant project management, plans review, contract administration and preparation of scope documents.
- SR 128 from Lane Ave. to Cassett Ave. in Duval County for FDOT District Two – Quality Assurance/Quality Control Manager for milling and resurfacing of a one mile segment of four-lane urban roadway with curb and gutter and sidewalks.
- Olustee Creek Crossing in Union County for FDOT District Two - Project Engineer for milling and resurfacing of one mile of 2-lane rural highway.
- SR 20 (US 27) in Jefferson County for FDOT District Three – Project Engineer for seven miles of resurfacing of 4-lane divided rural highway.
- Turnbull Creek Bridge Replacement in Volusia County for FDOT District Five – Project Engineer for roadway reconstruction. Duties included maintenance of traffic design, signing and pavement marking design for approaches and temporary bridge.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Quality Assurance/Quality Control Manager for milling and resurfacing of one-mile segment of four-lane urban roadway. Prepared ADA Report for existing sidewalk, including ramp, driveway and cross slope analysis.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 8 (I-10) at SR 95 (US 29) Post Design Services in Escambia County for FDOT District Three – Project Engineer for widening of off-ramp, and frontage road to serve businesses.

Mr. Selman's experience while with other firms includes the following:

- Project Engineer (Design) and Project Manager for all phases of design and management for FDOT and County highway facilities. Duties included design conformance assurance with AASHTO and FDOT criteria, initiated TCP concepts, permitting, providing subconsultant coordination, and directed survey activities. Quality control team leader for all phase reviews.
- Project Engineer CEI - Responsible for contract administration of multiple projects for I-595 system. Duties included coordination between prime contractor and utility owners, weekly progress meetings, coordinated design changes and provided technical details, prepared supplemental agreements and change orders, prepared weekly summaries and monthly estimates, directed survey crews on pre and post construction requirements and performed horizontal and vertical control survey verification.
- CEI Advisory Member - Provided technical assistance for CEI teams statewide. Duties included specification and special provision interpretation, claims review and analysis.
- Assistant Survey Project Manager - Responsible for administration of Districtwide design and right-of-way surveys and miscellaneous County, City and private surveys.
- Project Manager and Senior Project Design Engineer for the following projects:
 - SR-263, Leon County - 4 miles widening, resurfacing, and intersection improvements. Received a final design score of 93 and a final construction score of 94.
 - SR-263 at SR-63, Leon County - Intersection improvement including right turn lane, access management and CAP Plan. Received final design score of 95. Final construction score of 96.
 - FDOT District Three I-10 Welcome Center.
 - I-75 Hamilton County - 30 miles 6 laning including bridge widening and safety modifications. Project was phased into three, ten-mile construction contracts. Received a final design score of 92 and a final construction score of 100 on all three projects.
 - I-75 Hamilton County - 9 miles milling and resurfacing.
 - I-75, Alachua County - Redesign interchange high mast lighting.
 - SR-16, St. Johns County - Realignment, 4 lane rural to 4 lane urban including new bridge structure and intersection improvement. Received a final design score of 94 and final construction score of 100.
 - I-75, Hamilton County - High mast lighting for SR-51 and SR-143 interchanges.
 - Turnpike, St. Lucie County - Bridge and roadway widening with safety improvements.
 - I-75, Hamilton County - Alternate interchange design concepts including additional LA right-of-way requirements, frontage road design and construction estimates.
 - Lee, Hendry and Hardee County - Miscellaneous City and County street new alignment and 3R related projects.
 - A1A, St. Johns County - Reconstruction of 2 lane rural to 4 lane urban section.
 - SR-12, Gadsden County - Widening, resurfacing and safety improvements.
 - District 3 - Miscellaneous design services.

QUALIFICATIONS:

M.S., Civil Engineering (Transportation), 2004
University of Tennessee - Knoxville

B.S., Civil Engineering Technology, 2003
Southern Polytechnic State University

REGISTRATION:

Professional Engineer (FL #70867)

PROFESSIONAL EXPERIENCE:

1998 - 2011 (Career)
2007 - 2011 (LPA)

Design Engineer
THE LPA GROUP INCORPORATED

LPA experience includes:

AREAS OF EXPERTISE:

- **Transportation Design**
- **Horizontal / Vertical Alignments**
- **Concept Layouts**
- **CAD Drafting**

- SR 128 Milling and Resurfacing, Duval County, FL - This project involves the milling and resurfacing of a five-lane roadway for the Florida Department of Transportation. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. Serving as design engineer responsible for pavement design, plans production, ADA coordination, utility coordination, quantities and computation book preparation, specifications package and electronic submittal.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the City of Valdosta, GA. Serving as design engineer responsible for concept development, geometric design, pavement design, plans production, drainage design, quantity calculations and bid package preparation.
- DeFuniak Springs Bypass Feasibility Study, Walton County, FL. This project involves the preparation of a feasibility study for a 10-mile multi-lane bypass around Defuniak Springs. Currently two corridors are under consideration for this bypass. Serving as design engineer responsible for conceptual alignments and public information displays.
- I-75 at SR 31 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing two-lane rural roadway will be widened to a 4-lane urban section with bike lanes, curb and gutter, and sidewalks. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.
- I-75 at SR 133 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing 5-lane urban roadway will be widened to a 6-lane urban section with bike lanes with the addition of bike lanes to the mainline. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- I-95 at SR 251, McIntosh County, GA. This project for the Georgia Department of Transportation involves improvements to the existing interchange including a replacement bridge, reconstructed mainline with asphalt and concrete pavement, and reconstructed concrete ramps with additional turn lanes to improve the overall level of service for the interchange. Serving as design engineer responsible for horizontal/vertical alignments, plan preparation/coordination, maintenance of traffic, and right of way plans.

Work experience prior to joining LPA:

- August 2005 to 2007 – University of North Florida, Jacksonville, Florida – Adjunct Faculty, College of Computing, Engineering and Construction.
- January 2005 to 2007 – Post, Buckley, Schuh and Jernigan, Jacksonville, Florida – Engineer II, Transportation Design Group
 - North Thomas / South Thomas Drive, Panama City Beach Florida. This project for the Community Redevelopment Agency (CRA) involved the widening and realignment of an existing two-lane roadway corridor to a four-lane divided urban section including a dedicated Tram lane. Served as design engineer responsible for horizontal/vertical alignments, maintenance of traffic and utility coordination.
 - Capital Circle Southeast, Tallahassee, Florida. This design-build project for the City of Tallahassee/Leon County Blueprint 2000 agency involved the realignment and reconstruction of a portion of the project bypass around Tallahassee. Served as design engineer responsible for maintenance of traffic plans which include phasing, traffic shifts, and temporary signals.
 - Churchwell Drive, Panama City Beach, Florida. The project for the Community Redevelopment Agency (CRA) involved the realignment and widening of an existing two-lane roadway and bridge. Efforts included coordinating the roadway design portion with an existing set of designed permitted bridge plans. Served as design engineer responsible for horizontal vertical alignments, maintenance of traffic, quantities and construction specifications.
- August 2003 to December 2004 – Southeastern Transportation Research Center, Knoxville, Tennessee – Research Assistant. Research involved updating TDOT planning software (EVE) with social and economic factors to calculate Benefit/Cost ratios for transportation projects.
- August 2002 to August 2003 – Arcadis, Atlanta, Georgia – CAD Technician. CAD drafting and quantity calculations for transportation projects including rural/urban highways, interstates and railroad grade crossing.
- February 1998 to August 2000 and June 2002 to August 2002 – Houston County Public Works Department, Perry, Georgia – Engineering Technician/Field Engineer. CAD drafting, basic roadway/intersection design including geometrics, drainage, signing and marking, quantity calculations, small crew supervision, storm drain system inspections and roadway base/sub-base proof tests.

QUALIFICATIONS:

REGISTRATION:

**PROFESSIONAL
EXPERIENCE:**

AREAS OF EXPERTISE:

- **Program and Project Management**
- **Construction Management**
- **Cost Estimates**
- **Utility Coordination**

Bachelor of Civil Engineering, March 1981
Georgia Institute of Technology, Atlanta, GA

Professional Engineer (FL # 56119)

1981 - 2011 (Career)

2010 - 2011 (LPA)

Roadway Engineer
THE LPA GROUP INCORPORATED

Mr. Carswell, P.E. has over 30 years of construction, design and project management experience in the areas of bridge and roadway construction, and transportation engineering. He has experience in horizontal and vertical geometry design, intersection design, pavement design, quantities computation, construction cost estimates, maintenance of traffic, specifications and bid documents, and utility coordination.

Project experience prior to joining LPA includes:

- SR 69 – FDOT District 3 – Jackson County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for eight miles of SR 69 for the Calhoun County line to north of SR 10 (US 90). The project consists of milling and resurfacing the existing two-lane rural roadway, addition of turn lanes and a signal at the SR 10 intersection, drainage conveyance improvements in the Town of Grand Ridge, and utility coordination and adjustment plans. Construction is anticipated to be completed in 2011.
- Lake Emma Road – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Lake Emma Road from a rural two-lane to urban four-lane section from Longwood Hills Road to Sand Pond Boulevard in a heavily developed residential area. The project corridor runs through rolling terrain and the vertical alignment design was a challenge to provide sufficient vertical curve lengths for the design speed while keeping construction within the 100-foot right-of-way and limiting impacts to existing subdivision walls and adjacent development and design of gravity walls. The project included four signalized intersections, numerous driveway connections, utility coordination, adjustment plans, new utility plans for water and sewer, and seven stormwater retention ponds and drainage conveyance, as well as lift station access pull off lane and associated retaining wall. Construction is anticipated to be completed in 2011.
- SR 742 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for .5 miles of SR 742 (Creighton Road) at the intersection of Keating Road in Pensacola. The project consisted of the milling, resurfacing and widening of SR 742 from a two-lane rural section to a two-lane urban section in a residential corridor and included dedicated left turn lanes, addition of a traffic signal at Keating Road, driveway connections, drainage conveyance system, utility coordination and adjustments. Construction was completed in 2010.
- State Road 292 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications of .3 miles of SR 292 at the intersection of River Road in Perdido Key. The

**PROFESSIONAL
EXPERIENCE
(Continued):**

project consisted of the milling, resurfacing and widening of SR 292 from a two-lane rural section to a three-lane rural section in an environmentally sensitive corridor and included dedicated left turn lanes at River Road, driveway connections, utility coordination and adjustment. The project corridor was within the habitat for the Perdido Key beach mouse and had restrictions for reducing limits of construction and staging areas in order to comply with FWS mandates. Construction was completed in 2009.

- County Road 15 – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.9 miles of County Road 15 from SR 46 to north of Orange Boulevard. Improvements consisted of reconstructing the two-lane rural roadway to a five-lane urban facility with a continuous left turn lane. The project is located in a heavily developed commercial and residential area with numerous intersecting streets and driveway connections. The project included five stormwater management ponds and drainage conveyance systems, two signalized intersections, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2009.
- Conway Road – City of Orlando – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Conway Road from SR 528 (Beachline Expressway) to Hoffner Road. The project reconstructed the rural two-lane roadway to a four-lane divided urban section. The roadway is located in a heavy residential area and included side street and driveway connections, an area of unsuitable soils that was partially excavated and utilized a surcharge program for soils consolidation, three stormwater management ponds and drainage conveyance, three signalized intersections utility coordination, adjustment plans, and new utility plans for water and sewer. Construction is anticipated to be completed in 2011.
- SR 44 – FDOT District 5 – Sumter County, FL – Project Engineer for roadway design and preparation of final construction plans for the reconstruction of approximately 5 miles of SR 44 from east of US 301 to County Road 468. The project consisted of constructing a new parallel two-lane rural roadway and milling, resurfacing and reconstruction portions of the existing rural two-lane roadway, as well as analysis of the vertical geometry and superelevation of the existing roadway to determine the areas of vertical curvature and superelevation that required reconstruction in order to meet current design criteria. In addition, the project had 10 stormwater management ponds and drainage conveyance, and utility coordination and adjustment plans. Construction was completed in 2005.
- Dodd Road, Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.7 miles of Dodd Road from Howell Branch Road to Red Bug Lake Road from a rural two-lane roadway to a four-lane divided urban roadway. The project included driveway and side street connections, a two span bridge over Howell Creek, three stormwater management ponds and drainage conveyance, one signalized intersection, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2005.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Civil Engineers

QUALIFICATIONS:

B.S., Civil Engineering, 1985
Auburn University

REGISTRATIONS:

Professional Engineer (FL #45708, GA)

**PROFESSIONAL
EXPERIENCE:**

1985 - 2011 (Career)
2007 - 2011 (LPA)

**Senior Transportation Manager
THE LPA GROUP INCORPORATED**

Mr. Rainer has 26 years of experience in civil engineering and transportation as a project engineer and project manager. He has performed and managed a broad range of highway design tasks, including concept development; horizontal and vertical alignment design; drainage design; signing and marking plans; right-of-way calculations; quantity takeoffs; utility coordination; maintenance of traffic plans; and cost estimating. Mr. Rainer is an experienced project manager and is thoroughly familiar with the Florida Department of Transportation (FDOT) and Georgia Department of Transportation (GDOT) plan development processes, design standards, and specifications. While he has extensive experience managing projects for state DOT's, the vast majority of Mr. Rainer's experience comes from managing multiple projects for several repeat local government clients as a result of the personal service he brings to each project. Mr. Rainer's project experience includes:

AREAS OF EXPERTISE:

- Project Management
- Roadway Design
- MOT Design
- Design/Build
- Quality Assurance

- Capital Circle, Leon County, Florida. Prepared maintenance of traffic plans for three-mile section of this design-build contract. Project involves widening existing two-lane rural roadway to four-lane urban section with raised median.
- I-95 SB Agricultural Interdiction Station, Duval County, FL – Mr. Rainer served as EOR representative during construction phase of this project that had been designed by LPA for the Florida Department of Transportation District Two. Mr. Rainer coordinated all submittal reviews/approvals, attended bi-weekly construction progress meetings, answered all RFI's, oversaw design changes, initiated design changes to solve issues that arose during construction. This project is 95% constructed.
- SR 128 Milling and Resurfacing, Duval County, FL - Mr. Rainer served as PM and EOR for the milling and resurfacing of a 5-lane roadway for the Florida Department of Transportation District Two. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. The project was designed on time and under budget and construction is about to begin.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the city of Valdosta, GA. Serving as project manager responsible for overall client contact, scheduling, invoicing, concept development and overall quality control for the design of several intersection improvements and widening projects. Overseeing staff in Jacksonville, FL and Atlanta, GA.
- SR 537, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.027 mile long milling and resurfacing project for a five-lane urban roadway. The

PROFESSIONAL EXPERIENCE
(Continued):

scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates.

- SR 434, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.7 mile long milling and resurfacing project for a four-lane suburban (curb and gutter on outside, grass shoulders with depressed median) roadway. The scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates. *fn fáfn* Alf Coleman Road, Panama City Beach Community Redevelopment Agency (CRA), Panama City Beach, FL - Project engineer for approximate one-mile widening from rural two-lane to four-lane urban section with bike lanes and sidewalks. Project includes intersection improvements at Front Beach, Middle Beach and Back Beach Roads. Project also includes the design of stormwater treatment facilities. Project also involved extensive communication and coordination with affected property owners of which Mr. Rainer served as lead engineer explaining reasoning behind design to property owners.
- SR 10 (Mahan Drive) Reconstruction, Florida Department of Transportation, Tallahassee, Florida. Senior Project Engineer responsible for various quality assurance reviews.
- Hernando Dive, Putnam County Department of Public Works, Palatka, Florida. Project engineer for the design of a 6,200-linear-foot roadway improvement and paving project. Performed horizontal and vertical geometry calculations, prepared all stormwater management district permit applications, prepared final bid documents, and addressed design issues during construction.
- Waldo Road (SR 24), FDOT District Three, Alachua County, Florida. Project engineer for approximate 4.5-mile resurfacing project. Prepared typical section package, traffic control typical sections, performed quality control for 30 percent roadway plans submittal, and provided peer review for final specifications submittal.
- Palmetto Expressway (SR 826) at NW 103rd Street, FDOT, Miami, Florida. Performed drainage design and prepared signing and marking and maintenance of traffic plans for preliminary and final design for the widening of 6,200 feet of Palmetto Expressway interchange over NW 103rd Street. Project also involved significant improvements to various surface streets in the vicinity.
- I-275, FDOT, Tampa, Florida. Performed quality assurance review for the widening of I-275 from Tampa Bay to just past Dale Mabry Boulevard near Tampa International Airport. Project included several new interchanges with extensive frontage roads, collector distributor roads, and on/off ramps. Review included checking alignments and profiles for conformance to FDOT standards, geometric correctness, and overall project conformance to predicted traffic.

PROFESSIONAL MEMBERSHIPS:

American Society of Highway Engineers (ASHE)
CHI Epsilon (Civil Engineering Honor Society)
National Society of Professional Engineers (NSPE)
Florida Engineering Society (FES)

QUALIFICATIONS:

Architectural Drafting and Design Technical Degree
Phoenix Institute of Technology

Continuing education in Civil Engineering
Miami Dade Community College

PROFESSIONAL EXPERIENCE:

1985 - 2011 (Career)
2005 - 2011 (LPA)

Senior Transportation Designer
THE LPA GROUP INCORPORATED

Mr. Gaiotti is a Senior Transportation Designer with over 26 years of experience in engineering and CADD production.

LPA project experience includes:

- I-95 Interdiction Station – Nassau County, Florida – FDOT District Two – Design and detailing of Interdiction Station, including pond, drainage, Roadway Auxiliary Ramps, lighting, and signing and pavement markings.
- SR 128 Milling and Resurfacing Project, Duval County Florida – Milling and Resurfacing of existing five-lane urban section, which includes an analysis of existing conditions for ADA compliance. Design and Detailing of proposed plans.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Senior Designer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 over Lost Creek Bridge, Wakulla County, Florida – Widening and reconfiguration of existing bridge to include two lanes of traffic, bicycle lane, and sidewalk in each direction. Design and detailing of the 270-foot-long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36-inch drilled shafts.
- Bayou Chico Bridge Replacement, Escambia County, Florida – Design of the 200-foot, three-span dual bridges carrying SR 30 (Navy Boulevard) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
- Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, Florida, FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

Work experience prior to LPA:

- 2004 to 2005 – Marlin Engineering Inc. – Civil Site Design
 - City of Tallahassee Concurrency Package for Country Inn and Suites Site – Stormwater design using ICPR 3; site design and site plan approval package; environmental permitting; and project management.
 - Florida Keys Overseas Heritage Trail – Bike path design and layout; design variance package; and quantities.
 - N.W. 25th Street – Electronic delivery package for FDOT and electronic plans submittal to FDOT.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage Design**
- **Traffic Design and Plans**
- **Earthwork Quantities**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- 2000 to 2004 – Baskerville-Donovan Inc. – Civil Highway and Lighting Design
 - Lighting Design Projects for Alabama DOT – Horizontal base plans for roadway lighting including 120' high mast lighting design; vertical cross sections; lighting details and design criteria; utility coordination; maintenance of traffic design; CES quantity calculations; construction cost estimate; computation book; and plan review and QA/QC.
 - Production Design for FDOT Projects 2000-2004 – SR 79 and Thomas Drive – Horizontal base plans; vertical cross sections; utility coordination; communications design and plans; maintenance of traffic design; cross sections - earthwork quantities; CES quantity calculations; construction cost estimate; computation book; plan review and QA/QC; and structural plans layout and quantities; electronic delivery package for FDOT; and electronic plans submittal to FDOT.
 - Production Design for FDOT Projects 2000-2004 – Connor Boulevard and East Park Avenue, City of Tallahassee – Horizontal and vertical base plans; drainage structure plans; gravity wall plans; retaining wall plans; vertical alignment design; and cross sections – earthwork quantities.
- 1995 to 2000 – Vanasse Hangen Brustlin Inc. – CADD Design and Project Supervision
 - I-95/I-595 ITS projects: CMS Sign Project; Project Utilities Coordinator; Plans Production Coordinator; Survey Coordinator; and CADD Designer for ITS Layout.
 - McArthur Causeway Bridge – CADD Designer – Structural plans layout for retrofit: bridge railing and median barrier; and field inspection.
 - Traffic Design – Traffic signal design, Sunbeam Properties; signal intersection layout; CADD plan production; signing and pavement markings; utility coordination; signal quantity calculations; construction cost estimate; traffic data collection; turning movements counts; queue analysis counts; time delay studies; collision diagrams; condition diagrams; and alternatives and improvements.
- 1990 to 1995 – Florida Department of Transportation, District 6, Miami Florida – Internal Design
 - Engineer 1 – Design and detailing of SR 112 Toll Plaza Parking facility.
 - SR A1A Collins Avenue design and detailing
 - SR 5 (US-1) Design and detailing. Signing and pavement markings, lighting, signals, and roadway plans preparation.

QUALIFICATIONS:

M.S., Civil Engineering, 2003
North Carolina State University
Structures and Mechanics Concentration

REGISTRATION:

B.S., Construction Engineering and Management, 2001
North Carolina State University

CERTIFICATION:

Professional Engineer (FL #67269, NC)

PROFESSIONAL EXPERIENCE:

NBIS Certified Bridge Inspector

2001 - 2011 (Career)

2005 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

Mr. Sherman's ten years of structural design experience includes all aspects of bridge design, having worked on multiple projects in Florida and throughout the Carolinas. He has experience with conventional design, load rating, rehabilitation, design-build, and construction inspection, as well as building structures and roadway design. Typical duties include:

AREAS OF EXPERTISE:

- **Structural Design**
- **Roadway Design**

- Bayou Chico Bridge Replacement, Escambia County, Florida, FDOT District 3 – Design of 200' three-span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. Permitting included a Coast Guard Permit for the navigation channel.
- Kemp Channel Pedestrian Bridge, Monroe County, Florida – Performed a cursory inspection to identify deficiencies of concrete arch bridges that were once part of Flagler Railroad located in the lower Florida Keys. The total bridge length at Kemp Channel is 992' feet long consisting of 32 equal arch spans. Proposed rehabilitation work includes hand rail replacement, expansion joint repair, and the addition of bridge spans where arch sections are missing such that the bridge can be reopened for pedestrian use. These bridges are to be used in part of a planned multi-use trail extending from Key Largo to Key West.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures.
- SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida – The existing condition of an eight span sonovoid structure on this milling and resurfacing project is evaluated. Barrier rail retrofits and joint replacement deemed necessary. Load rating performed.
- Long Key Construction Administration, Monroe County, Florida – Provided construction administration services during the construction of cantilevered fishing platforms off of several historic Flagler Railroad concrete arch bridges. Duties include pay request approval, construction inspection, and shop drawing review.

PROFESSIONAL EXPERIENCE
(Continued):

- PBC DOA Expansion Joint Rehabilitation, West Palm, Florida – Provided construction inspection services during the replacement of expansion joints on the bridge approach spans of the departure terminal at Palm Beach International Airport.
- Kentucky Utilities, Ghent, Kentucky – Served as a structural engineer for the Fluor Power Group on a temporary assignment. Task was to evaluate existing structural conditions in the renovation of a 30-year old coal power plant for the installation of a SCR system to reduce NO_x emissions.
- MLK (U-3412), Union County, North Carolina – Served as a designer during the proposal stage on this winning design-build effort. Three prestressed concrete beam bridges and two culverts are part of this project.
- US 601 (R-2616), Union County, North Carolina – Served as a designer for dual single-span steel bridges each 145' in length., two precast arch culverts and two precast box culverts on this design-build project.
- Bridge on CSX Railway over NC-55 (U-3308), Durham County, North Carolina – Served as a designer of a four-span steel railway bridge.
- Rea Road over Rea Branch, Mecklenburg County, North Carolina – Serving as a designer for a two-span prestressed concrete girder bridge 130' in total length.
- I-85 Widening (I-2511 CB) Rowan County, North Carolina – Assisted in the roadway design during the construction phase of this design-build project.
- Bridge Group 46 – Assisted in the roadway design of small bridge relocation projects in multiple locations in North Carolina.

Project experience prior to LPA includes:

- US 74 over Monroe – Ansonville Road, (R-2559C) Union County, North Carolina – Served as a designer for dual single-span steel bridges each 200' in length.
- Northlake Boulevard over I-485, (R-2248D) Mecklenburg County, North Carolina – Served as a designer for a two-span steel bridge 270' in total length.
- US 70 Bypass (R-2552AA and R-2552C) Wake-Johnson County, North Carolina – Assisted in designing four bridge structures. R-2552AA consisted of dual six-span bridges using 63" AASHTO modified bulb tee girders each 600' in total length. R-2552C consisted of dual six-span bridges using AASHTO type IV girders each 475' in total length.
- NCDOT Bridge Maintenance Unit Contract – Served as a designer for 15-20 cored slab bridges in numerous locations around the State of North Carolina.
- SC 38 / US 501, Dillon and Marion Counties, South Carolina – Served as a designer on a two-span fly over bridge.

COMPUTER SKILLS:

Matlab, SAP 2000, STAAD, RISA 3-D, RC Pier, Conspan LA, Consys, LPile, Merlin Dash, Simon, MicroStation, Geopak, MathCad, Solid Edge

QUALIFICATIONS:

B.S., Civil Engineering, 2001
Florida State University

REGISTRATION:

Professional Engineer (FL #65026)

CERTIFICATION:

FDOT Long Range Estimating
FDOT Specifications Package Preparation

PROFESSIONAL EXPERIENCE:

1999 - 2011 (Career)
2010 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

AREAS OF EXPERTISE:

- **Bridge Design**
- **Load Rating**
- **Bridge Structural Detailing**
- **Foundation Design**

Mr. Cain's nine years of structural design experience includes all aspects of bridge and roadway structures design including design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. His experience with commercially available software that is commonly used for design includes Microstation/Geopak, FDOT Structures Software, FB-Multiplier (B.S.I.), Mathcad, Pilebuck, LEAP Conspan, RC-Pier and L-Pile. He has load rated over 40 bridges and has performed over 100 quality control reviews of load ratings during his career. He has worked on projects in Florida, Alabama, South Carolina and Missouri. He has prepared load ratings using both conventional and innovative techniques using both Load and Resistance Factor Rating (LRFR) and Load Factor Rating (LFR) methodologies. His experience with commercially available software that is commonly used for load rating includes Virtis, BARS, SALOD, and Conspan.

Representative projects:

- MoDOT Safe & Sound Improvement Program, Statewide, Missouri, MoDOT – Plans preparation for over 30 structures on this landmark design build project in the State of Missouri. The Safe and Sound bridge replacement program consisted of a total of 554 bridges all part of one design build contract. Typical duties include superstructure and substructure design, load rating and discipline coordination. Bridge superstructures consist predominantly of prestressed voided slab sections and box beams.**
- Western Wake Freeway, Wake County, North Carolina, North Carolina Turnpike Authority – Responsible for quality control of the design for two of the four bridges on this Design-Build project. Duties include QC for superstructure and substructure design. Bridge superstructures consist of cast in place concrete deck placed on prestressed concrete girders. Bridge substructure foundations consist of drilled shafts, steel H piles and spread footings.**

Work experience prior to joining LPA:

- E.C. Driver & Associates – Tallahassee, Florida – Structures Engineer – August 2001 - August 2006 (Engineer Intern) – August 2006 - October 2009 (Professional Engineer)**
 - **Responsibilities included design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. Responsibilities also included ASR, LFR, and LRFR load ratings of bridges, and project cost estimating including use of the FDOT LRE Program. Post design responsibilities included review of shop drawings, specialty engineer calculations, and response to various RFI requests.**

PROFESSIONAL EXPERIENCE
(Continued):

- Florida Department of Transportation – Central Office - Estimates Office – March 1999 - August 2001
 - Responsibilities included maintaining the Long Range Estimating (LRE) program and LRE student training database. Maintained and edited the Basis of Estimates Handbook. Compiled bridge pay item data for bridge cost estimating that is used in the LRE program.

Project experience prior to joining LPA:

- J.T. Butler Interchange, Duval County, Florida, FDOT District Two. Curved Steel Box Girder Bridges. Detailed plans for internal bracing of curved steel box girders. Assisted in design for temporary bracing and pot bearings. Assisted in design of overhead span and cantilever sign structures. Post design involved review of shop drawings for sign structures and internal bracing of box girders. The project consisted of 6 bridges with dual curved trapezoidal steel box girders. The bridges were 2, 3 and 4 span continuous units. Span lengths ranged from 139'-0" to 282'-0".
- S.R. 212 (U.S. 90/Beach Boulevard) over ICWW, Duval County, Florida, FDOT District Two & JTA. Prestressed Beam Bridges. Assisted in design of superstructure, substructure, MSE walls and temporary critical anchored sheetpile walls. Designed standard/special design mast arms and temporary strain pole systems. Prepared plan sheets, finish grade elevations, calculated bridge quantities and performed LFD load rating on superstructure. The scope of the project was to replace the existing bascule bridges with high level bridges. The replacement bridges are 2100'-0" and 2298'-0" with 15 spans 17 spans respectively. Both bridges include 138'-0" and 148'-0" simple spans utilizing 78" Florida Bulb-T Beams. Post design services included reviews for structural RFI's and shop drawings.
- I-75 Southbound Realignment Over Salt Creek and Bridge Widening of I-75 Northbound Over Salt Creek and I-75 Over Fox Creek, Sarasota County, Florida, FDOT District One. Engineer of Record for new bridge and bridge widening over Salt Creek. Designed superstructure components and assisted in substructure design for Fox Creek bridge widenings. Detailed bridge components and prepared quantities. The new bridge on this project is a 4-span AASHTO girder bridge with Type III and Type IV girders. The widenings are single phase construction without deck replacements on the existing bridges.
- S.R. 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Engineer of Record for structures contract plans and structural design. Designed and detailed ecopassage that included approximately two miles of vinyl sheetpile wall with colored concrete bulkhead, stage construction box culverts fitted with DBI tops, concrete retaining endwalls and modified gravity wall.

COMPUTER SKILLS:

Microstation/Geopak
FDOT Structures Software
FB-Multiplier (B.S.I.)
LEAP Bridge V8i
L-Pile
SAP 2000
AASHTO Virtis
AASHTO BARS
Pilebuck Sheetpile Wall 911
Mathcad

QUALIFICATIONS:

B.S., Civil Engineering, 2005
Florida State University

REGISTRATION:

Professional Engineer (FL #70728)

PROFESSIONAL EXPERIENCE:

2004 - 2011 (Career)
August 2009 - 2011 (LPA)

Bridge Design Engineer
THE LPA GROUP INCORPORATED

Mr. Westphal's structural design experience includes all aspects of bridge design. He has worked on projects in Florida, Missouri and North Carolina. He has performed designs using AASHTO Standard Specifications for Highway Bridges as well as AASHTO LRFD Bridge Design Specifications. He has prepared load ratings using Load and Resistance Factor Rating (LRFR) methodology.

AREAS OF EXPERTISE:

- *Bridge Design*
- *Roadway Design*
- *Stormwater Design*

Project experience with THE LPA GROUP includes:

- CR 245 over Olustee Creek Bridge load rating for the Florida Department of Transportation, District 2 in Columbia County. The proposed bridge consists of an overall 350-foot, seven-span AASHTO Type-II girder bridge.
- Western Wake Freeway, Bridge Number 15 over US 64 bridge design and load rating. The proposed bridge consists of a 209-foot long, two-span AASHTO type-IV girder bridge.
- Western Wake Freeway, Bridge Number 16 over Western Wake Freeway bridge design and load rating. The proposed bridge consists of a 215-foot long, two-span AASHTO type-IV girder bridge.
- Corinth Road over Otter Creek box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a four-barrel, 40 foot long culvert.
- Bonifay-Chipley Road over Camp Branch box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a three-barrel, 27 foot long culvert.
- Missouri Department of Transportation's Safe and Sound Bridge Improvement Project. Assisted in the creation of design standards to be used in the redesign and replacement of a majority of 554 structurally deficient bridges throughout the state. In addition, created plans for various phases of bridge design and construction. Responsible for designing non-standard structures, including spread footing foundations and reinforced concrete flat slab superstructures.
- Administer shop drawing reviews as necessary and furnish designs of miscellaneous structures such as retaining walls, pedestrian boardwalks and mast arms.

Previous experience includes:

- October 2006 to July 2009 – Florida Department of Transportation, Tallahassee, Florida – Engineering Intern

**PROFESSIONAL
EXPERIENCE**
(Continued):

- FDOT LRFD Prestressed Beam Program v.3.1 with Load Rating portion. The program was written in accordance with the FDOT Structures Design Guidelines and the Manual for Condition Evaluation Load and Resistance Factor Rating (LRFR) of Highway Bridges.
- Served as a Structural Designer, responsible for maintaining engineering programs on the FDOT Structures Design Office website.
- Ensured software programs are in compliance with changes/updates to the latest edition of the AASHTO LRFD Bridge Design Specifications or other relevant design specifications.
- Communicated with FDOT consultants and FDOT District personnel regarding technical feedback and/or difficulties with software.
- Assisted in the design of bridges and retaining walls.
- Aided in the calculation of quantities for projects.
- Reviewed Shop Drawings.
- Assisted in reviewing major proposed bridges in the State of Florida.
- ☐ May 2005 to October 2006 – Baskerville-Donovan, Inc., Tallahassee, Florida – Engineering Intern
 - Served as a Drainage Designer, modeling and designing stormwater pipe networks as well as creating technical reports such as stormwater needs assessments for small communities.
 - Served as a Roadway Designer, assisting with roadway design and computation books.
 - Aided in the creation of construction plans extensively through drafting, for both roadway and drainage projects.
 - Created several project cost estimates for both roadway and drainage projects.
- ☐ June 2004 to August 2004 – City of Tallahassee, Tallahassee, Florida – Engineering Intern
 - Assessed the condition of city roads through extensive field work, as part of a city-wide effort aimed at infrastructure improvements.

COMPUTER SKILLS:

Software:
MathCAD, FDOT Structural Engineering Programs (including LRFD Prestressed Beam Program), RISA, LEAP Bridge, RC-Pier, L-Pile, SAP 2000, Microstation, AutoCAD and Microsoft Office.

QUALIFICATIONS:

Course Work, 1967 - 1968
Texas A&M University, College Station, Texas
Course Work, 1968 - 1969
Charleston Southern University, Charleston, SC
Graduated 1974
South Carolina Law Enforcement Academy, SC

CERTIFICATIONS:

U.S. Air Force, Aerospace Defense Command, E-5, 1969 - 1973
Flight Simulator Technician, Vietnam, Honorable Discharge
Chanute Technical Training Center, Rantoul, IL

PROFESSIONAL EXPERIENCE:

Certificate in Electronics, Hydraulics, Pneumatics and Aerodynamics
Pilot's License, Single and Multi-Engine Land
Certified Open Water Diver

1973 - 2011 (Career)
2009 - 2011 (LPA)

Construction Manager
THE LPA GROUP INCORPORATED

Mr. Burton Jr. is a detail-oriented, analytical and highly motivated professional offering 25 years success in Civil Engineering, Vertical Construction, Transportation, FAA, Federal and State-funded and environmentally sensitive projects. Consistently delivers complex, large-scale projects on time and within budget. He is an accomplished turnaround specialist with exceptional project turnaround skills and recovery strategies. Replaces existing construction managers, assumes decision-making reins of troubled projects and guides them through setbacks and into success. He is an adaptable manager who is well-versed in contract negotiations, project estimating, resolving impending design problems, and building and code regulations. He is a highly skilled communicator with the proven ability to build consensus and liaise with parties involved to ensure all the elements of a project coordinate and dovetail with organizational objectives. Mr. Burton is a dependable team player able to interact with and work well with laborers, tradesmen, architects, engineers and owners.

Project experience since joining LPA includes:

- Apron A Construction, Palm Beach International Airport – Construction Manager for a new 176,000 square foot concrete apron and realignment of existing access roads, including demolition items, grading, drainage, paving, chain link fence, automated gates, associated electrical work and stormwater work.

Project experience prior to joining LPA includes:

- General Access Road Rehabilitation, Tallahassee Regional Airport – Resident Personal Representative and inspector for the demolition and reconstruction of the General Aviation Access Road at Tallahassee Regional Airport. Project included extensive milling and P-401 paving operations, grading, sodding, grassing, automated gates, and redesign and construction of 800 feet of stormwater. Project responsibility also included field redesign of Capital Circle/Access Road tie-in and Fuel Farm Parking Lot.

AREAS OF EXPERTISE:

- **Construction Planning/Scheduling**
- **Estimating and Job Cost**
- **Budget Management and Cost Control**
- **Contract Negotiation**

PROFESSIONAL EXPERIENCE
(Continued):

- Terminal Apron Stormwater, Tallahassee Regional Airport – Resident Personal Representative and inspector for the construction of stormwater ponds surrounding the main terminal apron. Project included excavation, grading, geogrid, sodding, grassing, stormwater structures.
- Runway Improvements, San Salvador International Airport, Bahamas – Consultant and inspector for P-401 paving operations and extension of runway. Project involved erection of onsite asphalt plant and barging materials and supplies from the U.S. Project included stormwater, excavation, subgrade, base rock, paving, grading, electrical lighting, and painted markings and striping.

Work history prior to joining LPA includes:

- Florida Department of Environmental Protection, Tallahassee, FL – September 2005 to January 2009 – Construction Project Consultant (CPC) and Contract Manager, Office of Coastal and Aquatic Managed Areas (CAMA). Some responsibilities included:
 - Reporting directly to the Director of CAMA, the Budget Director and the Deputy Secretary of the Florida Department of Environmental Protection.
 - Accountable for the execution and delivery of all civil construction activities for CAMA; Coastal & Aquatic Managed Areas comprising 4.8 million acres
 - Initiating constant communication with three Regional Managers and 30 Aquatic Preserve Managers to ensure core expectations of the project were met, including the timely conclusion of the projects and completion of all applicable supporting documentations like schedules, cost issues and tracking.

PROFESSIONAL MEMBERSHIPS:

Capital City Chapter of United States Green Building Council
Speaker of the House's Citizen's Committee, 2002 - 2003
President's Economic Advisory Committee, 2002

COMPUTER SKILLS:

MS Office Suite
MS Project
CAD
ArcView
AIA
GIS
FLAIR

QUALIFICATIONS:

Indiana Highway Technician Course
Purdue University Extension

Continuing Education Courses
Nashville State Technical Institute

Level II NICET
Construction Materials Technician, Concrete

1959 - 2011 (Career)

1991 - 2011 (LPA)

Resident Project Inspector
THE LPA GROUP INCORPORATED

PROFESSIONAL EXPERIENCE:

Mr. Banta has a wide variety of experience related to the development, design, and construction of utility systems and drainage projects. His experience includes surveying, construction management, drafting, mapping, the conduct of inflow and infiltration analyses, the design and maintenance of water and sewer systems, roadway construction, water system design, and pipeline design.

Typical projects while with THE LPA GROUP include the following:

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage**
- **Utilities**
- **Grading**
- **Sewer Systems**

- Resident Project Inspector for the FDOT Capital Circle S.I.S. Connectors Project SR 263. Project is located at the entrance of the Tallahassee Regional Airport in Tallahassee, Florida. This project included grading, drainage, paving and marking. MOT certification was required and obtained prior to construction.
- Inspector for Runway/Taxiway rejuvenation and Crack Sealing Project at the Northwest Alabama Regional Airport located in Muscle Shoals, Alabama. Project also included rebuilding all of the runway lighting system, including the airport Beacon and partial electrical vault equipment replacement. Project also included restriping of the runway/taxiway and its rejuvenated areas.
- Inspector for the New Corporate Administration Building, Space Coast Regional Airport at Titusville, Florida. In addition to the new building, this project includes drainage, grading, paving and landscaping along with utility relocation and additions.
- Inspector for the Remote Overnight Apron at the North West Florida Regional Airport which included asphalt and concrete placement as well as lighting and drainage.
- Inspector for Phases 3, 4 and 5 Perimeter Service Road Project at Daytona Beach Regional Airport in Daytona Beach, Florida. Project includes paving, grading, drainage, fencing, and FAA cable relocation. This project required a lot of owner and tenant involvement.
- Resident Project Representative for the Central Apron Project at Tallahassee Regional Airport in Tallahassee, Florida. Project included paving, grading and drainage as well as aircraft tie-down area with adjoining mast lighting.
- Co-Project Representative for the milling and repaving of the main parallel taxiways and connectors at the Tallahassee Regional Airport in Tallahassee, Florida. Project included milling for the correcting cross drainage and new asphalt surface including all striping.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Resident Project Representative for the installation of two (2) new Passenger Loading Bridges and renovation of six (6) Existing Tunnel structural upgrades as well as electrical, air conditioners, and redecorating needs. This upgrades all of the loading bridges at the Tallahassee Regional Airport in Tallahassee, Florida.
- Resident Project Representative for the new FedEx Complex at the Tallahassee Regional Airport in Tallahassee, Florida. This project includes a new apron with new access taxiways which require Retention Ponds drainage, paving, lighting, parking areas, security fencing and gating. The new facility encompasses the existing Air Cargo complex and a new Access Roadway from a major highway to both facilities which will be lighted and provides ingress and egress for all size vehicles.
- Resident Project Representative for a new eight (8) mile perimeter road with a new adjoining ten (10') foot security fence at the Tallahassee Regional Airport in Tallahassee Florida. Project included extensive coordination with owner and airport operations for safety and security during Construction.
- Resident Project Representative for the addition of 25' paved shoulders to either side of the north- south runway at Tallahassee Regional Airport.
- Resident Project Representative for the construction of the General Aviation Taxiway "R" and "B" at the Tallahassee Regional Airport.
- Resident Project Representative for a total airfield lighting renovation at North West Alabama Municipal Airport in Muscle Shoals, Alabama.
- Resident Project Representative for the T-hangar Phase II project at the Sarasota-Bradenton International Airport, Florida. Project included paving, grading, and drainage plus the erection of three (3) new hangar units.
- Resident Project Representative for the new Taxiway "D" project at Sarasota-Bradenton International Airport at Sarasota, Florida. Project includes construction of a completely new taxiway plus an asphalt overlay of an existing taxiway.
- Resident Project Representative for part of Runway 3 extension at Greenville-Spartanburg International Airport, South Carolina.
- Resident Project Representative for clearing project at Orangeburg Municipal Airport, South Carolina.
- Resident Project Representative for Phase II on runway extension and customs facilities, including apron and building, for Greenville-Spartanburg International Airport, South Carolina, Stages I and II. Project includes paving, grading, and drainage as well as access road to BMW Facility.
- Resident Project Representative for Phase II of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as extending and upgrading the existing primary roadway and taxiway.
- Resident Project Representative for Phase I of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as a new apron with upgraded fuel facility.

QUALIFICATIONS:

B.S., Civil Engineering, 1979
University of Florida

REGISTRATION:

Professional Engineer (FL # 34810)

TRAINING:

Project Manager Course/Florida Department of Transportation
Quality Assurance/Quality Control Training/Florida Department of Transportation
Project Engineer Training/Florida Department of Transportation
Traffic Control Plan Certification/Florida Department of Transportation
Hearing Officer – Hillsborough County – Residential Traffic Control
Expert Witness – Court of Appeals
Institute of Transportation Engineers, Engineer of the Year, 1996
Institute of Transportation Engineers, Fellow (International Director 1993 to 1995)
Institute of Transportation Engineers, Past Florida President (1992-1993)
Illuminating Engineering Society of North America

PROFESSIONAL EXPERIENCE:

1979 - 2011 (Career)
2010 - 2011 (LPA)

Principal – Director of Local Government Services
THE LPA GROUP INCORPORATED

Work history prior to joining THE LPA GROUP includes:

□ Director of Local Government Services, Florida – Mr. Dabkowski, P.E., was responsible for assuring complete client satisfaction in all aspects of Traffic, Parks, Trails, Planning and Civil Engineering. Satisfaction means a very clear scope of service by all parties, assigned personnel that are experts in the field of scope, a realistic schedule that will meet the clients' needs, reasonable negotiated fees that follow the industry standards, a quality control process that is tailored to the scope, a finished product that the client will be proud of and finally, a positive reply from their clients that will be proud to share. The following are examples of major trail projects that Mr. Dabkowski directed:

AREAS OF EXPERTISE:

- **Project Management**
- **Construction Administration**
- **Roadway Design**
- **Utility Design**
- **Right-of-Way Surveying**

• Gainesville, Florida – Under the direction of Mr. Dabkowski, the team provided survey and engineering services for the 15 mile long design project. The project consisted of a 12 foot wide paved recreation trail connecting downtown Gainesville to the Hawthorne rail trail. This trail also included equestrian amenities and a trail head on the southern end. A beautiful steel arch bridge was designed and manufactured to fit the limits of a water crossing and the theme of the area. Included in this project was the design and environmental permitting. Complete construction plans and bid package was provided.

• Dunedin, Florida - This trail project was the first lighted section of the 62 mile long Pinellas County "Fred Marquis" trail. Mr. Dabkowski was the project manager for the first 16 mile segment of this award winning trail. Mr. Dabkowski also assisted the City in permitting and seeking approval to light a 1/2 mile segment with pedestrian scale lighting. This allowed the surrounding visitors of the hotels to walk the trail at night offering access to local dining and shopping within the CRA district of the City.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Gainesville, Florida – Mr. Dabkowski was the project manager for the Depot Avenue trail in the heart of the downtown. This trail connected the highly successful Hawthorne rail trail to the downtown area via the Depot Avenue trail. Several state road crossings were required which allowed great cooperation with the state. Environmental concerns from the previous rail usage were also contained and permitted with success. A roundabout was also introduced into the design and several high volume pedestrian crossings were designed with safe access. The team provided survey and engineering services for this 6 mile long design project. The project consisted of a 10 foot wide urban paved trail. Special crosswalk markings were approved by the state.
- Dunedin, Florida – The City visioned a linear park along the intracoastal waterway from the City limits to Downtown. This corridor known as Edgewater Drive was to provide bench seating, viewing areas, safe crossing of the street and expanded sidewalk designs for the multipurpose users including transit stops.

QUALIFICATIONS:

B.S., Civil Engineering, 1980
University of Toronto

REGISTRATION:

Professional Engineer (FL #58147, MI, and Ontario)

PROFESSIONAL EXPERIENCE:

1980 - 2011 (Career)
2010 - 2011 (LPA)

Senior Transportation Engineer
THE LPA GROUP INCORPORATED

Mr. Rao has 30 years of experience providing planning, design and project management for transportation engineering projects focusing on livable communities projects.

The focus of this expertise is in designing facilities for multi-modal and non-motorized transportation users. I have particularly strong experience with designing traffic calming projects, bicycle/ pedestrian crossings and analyses, safe routes to school projects and programs, and traffic signal analysis.

As a former employee of government organizations – City of St. Petersburg, FL, five years; City of Toronto, Ontario, six years; and the Ministry of Transportation, Ontario, ten years – coupled with over eight years of private sector work for public clients – I understand the unique demands of designing projects in a public forum. During the last 20 years, I have personally attended and/or chaired over 800 public meetings, to reach consensus within these communities for implementation of projects.

Project experience prior to joining LPA includes:

☐ 2003 to 2010 – Transportation for Livable Communities Engineer, Volkert, Inc., Tampa, FL

Traffic Calming Projects

- Neighborhood Traffic Calming (NTC) Program, Hillsborough County, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program. Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.
- Westshore Business District Area Traffic Calming Project, Tampa, FL (Hillsborough County) – Provision of traffic calming design services for Armenia and Howard Avenues arterial streets flanked by small business enterprises. These services consisted of planning and designing on-street parking configurations with a view to increasing parking inventory, reducing operating speeds, and beautifying these corridors. Services included research of other traffic calming programs for effectiveness, investigation and application of parking ordinances, evaluation and prioritizing of projects, development of construction standards for traffic calming features, assistance at two public information meetings (residential and business) and presentation to the Board of County Commissioners.
- Neighborhood Traffic Calming (NTC) Program Development, City of Dunedin, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program.

AREAS OF EXPERTISE:

- **Transportation Engineering**
- **Traffic Design / Studies**
- **Conceptual Design Services**

**PROFESSIONAL
EXPERIENCE
(Continued):**

Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.

Bicycle and Pedestrian Studies

- Bicycle/Pedestrian Masterplan, City of Dunedin, FL – Conducted a comprehensive study outlining the on and off-road non-motorized opportunities for multi-modal use on a city-wide basis. Assisted in the development of the visions/goals, community responses, and pedestrian level of service computations. Assisted in the layout of the various cross-sectional strategies to provide bicycle lanes on existing pavements, leading to the development of the Masterplan Bicycle Conditions matrix as well as resident surveys/questionnaires.
- Fletcher Avenue Pedestrian Safety Study and Conceptual Design, Hillsborough County, FL – Conducted a comprehensive pedestrian and bicyclist safety study to analyze crash types patterns and identify opportunities for crash mitigation. Provided conceptual design services to foster safer crossings for pedestrians and more accessibility for bicyclists.
- SR 580 Pedestrian Safety Study and Conceptual Design, City of Dunedin, FL – Conducted a comprehensive pedestrian and bicyclist safety study to reduce crashes. Provided conceptual design services to improve accessibility for bicyclists and physically challenged persons. Working with the City and FDOT, conceptual countermeasures were developed for four cross-sectional roadway treatments ranging from a six-lane divided section to a two-lane median landscaped section adjacent to the Pinellas Trail.

Corridor and Neighborhood Transportation Studies

- City-Wide Transportation Study and Transportation Concurrency Management System Development, City of Newberry, FL – The project was to analyze current traffic while considering the City's Development Plan, ordinances, land use, and roadway infrastructure. Services included a field review of the corridor regarding lane capacity issues, analyzing traffic data and Levels of Service, and recommending a grid system future street system that encourages sustainable growth, connectivity, and multi-modal applications.
- Blind Pass Road Multi-Modal Corridor Plan, City of St. Pete Beach, FL – The project involved developing conceptual plans for better pedestrian access and new on-street parking for merchants in the central business district. It also included close coordination with FDOT for use of state rights-of-way in Downtown. A comprehensive area-wide study was conducted to determine the impacts of the redesign on the main high-volume traffic intersections.

**PROFESSIONAL
AFFILIATIONS:**

Hillsborough County MPO Livable Roadways Committee
Northeast Florida League of Cities
Association of Pedestrian and Bicyclist Professionals
Institute of Transportation Engineers (ITE)
Chair, Florida Urban Traffic Engineer's Council, 2001
Co-Founder, Tampa Bay Area Traffic Calming Group, 1997

QUALIFICATIONS:

B.S., Civil Engineering, 1982
University of Florida, Gainesville

REGISTRATION:

Professional Engineer (FL #38772, AL)

PROFESSIONAL EXPERIENCE:

1982 - 2011 (Career)
2002 - 2011 (LPA)

Principal
THE LPA GROUP INCORPORATED

Mr. Oshesky's 29 years experience is comprised of Program Management for Transportation Infrastructure, Greenway and Floodway Improvement Programs, Interstate Design, Interchange Design, Highway Design, Recreational and Trail Design, PD&E Studies, Feasibility Studies and Value Engineering. Mr. Oshesky actively participates in organizations and committees which provide continuing education, develop industry guidelines and identify potential funding for public projects.

Mr. Oshesky's entire career has been in Florida. During his career he served of over nine years of experience with the Florida Department of Transportation and over four years with the Florida Department of Environmental Protection. As Principal for The LPA Group's North Florida Region Mr. Oshesky has managed resources, overseen quality assurance and provided leadership for the following projects:

LPA project experience includes:

- Program Manager on General Engineering Consultant contract for BluePrint 2000 Intergovernmental Agency – Served three years as Program Manager for \$800 Million sales tax program for a City of Tallahassee/Leon County joint agency which includes corridor improvement projects on the state highway system and stormwater master planning and retrofit projects.
- Engineer of Record for Leon County Continuing Services contract.
- Project Principal on I-95 Agricultural Interdiction Station in Nassau County, for FDOT, District Two.
- Project Principal on SR 128 resurfacing in Duval County, for FDOT, District Two.
- Project Principal on Olustee Creek Bridge Replacement in St. Johns County, for FDOT, District Two.
- Project Manager on SR 60 Courtney Campbell Causeway Multi-Use Trail Feasibility Study, FDOT District Seven – Evaluate the feasible alternatives to provide recreational access and use along an eight mile corridor across Tampa Bay in Hillsborough and Pinellas Counties.
- Project Principal SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Milling and resurfacing of one-mile segment of four-lane urban roadway.
- Project Principal on SR 10 (US 90) Mahan Drive widening from Dempsey Mayo to I-10 in Leon County, for FDOT, District Three.
- Engineer of Record on I-10 Agricultural Interdiction Station for FDOT District Three – Design-build contract which included interstate ramps and facilities for the Florida Department of Agriculture and Consumer Services.

AREAS OF EXPERTISE:

- **Program Management**
- **Value Engineering**
- **Recreational Trail Design**
- **Roadway Design**
- **Construction and Permit Drawings**

PROFESSIONAL EXPERIENCE
(Continued):

- Engineer of Record on Monticello By-Pass Feasibility Study in Jefferson County for FDOT, District Three – Evaluated feasible alternatives for US 19 through downtown Monticello.
- Engineer of Record for Wakulla County Continuing Services contract.
- Project Principal SR 61 (US 319) Crawfordville Highway widening from US 98 to Lost Creek Bridge in Wakulla County, for FDOT, District Three.
- Project Principal on SR 20 (US 27) resurfacing in Jefferson County, for FDOT, District Three.
- Project Principal for Florida Department of Environmental Protection, Florida Overseas Heritage Trail.
- Principal for Florida Department of Environmental Protection, Camp Helen State Park Improvements and Rehabilitation in Bay County.
- Project Principal SR 30 (US 98) Bayou Chico Bridge Replacement in Escambia County, for FDOT, District Three.
- Project Principal on Turnbull Creek Bridge and resurfacing in Volusia County, for FDOT, District Five.
- Project Principal on SR 500 (US 192) Indian River Bridge Replacement Design-Build Criteria Package, Brevard County, for FDOT, District Five.
- Principal for Florida Department of Environmental Protection, Statewide Continuing Services Contract.
- Principal for Wakulla County, Ochlocknee Bay Multi-Use Trail Master Plan and Design.

Project experience prior to LPA includes:

- Florida's Turnpike, Osceola Parkway (Dart Boulevard) Interchange, Osceola County, Florida – Highway designer responsible for combined (one contract) PD&E, planning, highway design and plans preparation for the construction on a diamond interchange on Florida's Turnpike at the Osceola Parkway. The project included PD&E, highway design, drainage design, permitting, lighting, toll facilities design, and traffic control.
- FDOT, SR 84 (Alligator Alley) Conversion to I-75, Broward and Collier Counties, Florida – Lead highway designer for two sections of the ten section total project of the conversion of SR-84 to I-75 in Collier and Broward Counties. Project included the conversion of a two-lane highway through the Florida Everglades to a limited access interstate facility. Project included PD&E, highway design, maintenance of traffic, drainage, and permitting.

PROFESSIONAL MEMBERSHIPS:

American Society of Civil Engineers – Tallahassee Branch, Past Officer
Florida Institute of Consulting Engineers – Transportation Committee
Florida Engineering Society
American Society of Highway Engineers
American Public Works Association – Big Bend Chapter, Past President
Society of American Value Engineers
Florida Recreation and Park Association
Citizens Advisory Committee, Leon County, Tharpe Street Corridor Study

SPECIALIZED TRAINING:

Value Engineering Team Member and Leader Training
Value Engineering Module I and Module II Training
FDOT Advance Maintenance of Traffic

QUALIFICATIONS:

M.S., Civil Engineering, 1993
University of Illinois

B.S., Civil Engineering, 1992
The Citadel

CERTIFICATIONS:

Specifications
TRNS*PORT
LRFR Bridge Load Rating
Long Range Estimate
Errors & Omissions
American Segmental Bridge Institute Grouting Training Certificate

REGISTRATION:

Professional Engineer (FL #53948, NC)

PROFESSIONAL EXPERIENCE:

1993 - 2011 (Career)
2001 - 2011 (LPA)

Bridge Engineer
THE LPA GROUP INCORPORATED

Mr. Schwier has over 18 years of structural engineering experience including extensive work on the design of the new Leonard P. Zakim Bunker Hill Cable Stayed Bridge in Boston. He has experience in all aspects of bridge design, having designed both superstructure and substructure elements for precast segmental and conventional beam bridges. Mr. Schwier has also been involved in several bridge inspection projects, including fracture critical inspections.

AREAS OF EXPERTISE:

- **Project Coordination**
- **Program Management**
- **Bridge Design**
- **Precast Segmental Bridges**
- **Conventional Beam Bridges**
- **Cable-Stay Bridges**

- Florida Keys Overseas Heritage Trail (FKOHT) Bridge Restoration; Monroe County, Florida. These projects consisted of the condition inspection, restoration design and construction administration of seven of the historic Flagler railroad concrete arch bridges. The bridges were in various stages of deterioration after years of neglect or limited maintenance. The plans included concrete spall repair, concrete crack repair, joint replacement, milling and resurfacing and barrier repairs. Mr. Schwier served as the Lead Engineer and Manager for these projects at Park Channel and Big Coppitt Keys.
- Turnbull Creek Bridge Replacement; Volusia County, Florida. Replacement of the existing U.S. 1 Bridge. Mr. Schwier served as the Senior Engineer for the design and detailing of the 180' long bridge from the Bridge Development Report stage through final design. The structure is a 43' wide 18" deep cast-in-place flat slab on pile bents.
- Rookery Bay Pedestrian Bridge, Naples Florida. Services included design and construction administration for a boardwalk style pedestrian bridge using alternative building materials at the Rookery Bay National Marine Estuarine Research Reserve for the Florida Department of Environmental Protection. During construction no impacts, temporary or permanent, can be made to the wetlands. Mr. Schwier served as the project manager and lead structural engineer for this project.
- Group 9-04 Bridge Replacements, Holmes County, Florida, FDOT District Three – Mr. Schwier served as the Project Manager and the EOR for this project. Bridge culverts were used to replace two structurally deficient timber bridges. Coordination with

**PROFESSIONAL
EXPERIENCE
(Continued):**

- hydrology and roadway were essential in setting the proper culvert dimensions to suit each culvert site. An open thrie beam barrier was placed on the top of the culverts in lieu of a conventional Type F concrete barrier to accommodate overtopping conditions.
- ❑ Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures. Mr. Schwier served as the structures lead on this project.
 - ❑ Bahia Honda Bridge, Monroe County, Florida – Provided onsite engineering services during an emergency repair at Bahia Honda Bridge to many structural elements which posed a threat to mariners. Many hanging structural steel members and hanging sections of concrete deck were removed during the emergency repairs.
 - ❑ SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida, FDOT District Two – Mr. Schwier served as the EOR for the structures work on this RRR project. The existing condition of an eight-span sonovoid structure and its approach spans are evaluated on this milling and resurfacing project. A barrier rail retrofit was required as well as expansion joint replacements. The bridge approach is a pile supported roadway section. The fill beneath the existing pile supported approach spans has settled and resultant down drag forces have separated the piles from the slab in some locations. LPA used borescopes to inspect the structure and designed repairs to replace piles that had settled and detailed for the structure. The repairs included installing replacement piles utilizing cantilevered pile caps and installing sheet pile along the curb line to reestablish the side slopes and sidewalks.
 - ❑ Olustee Creek Bridge Replacement; Union County, Florida. Replacement of the existing steel girder bridge. Mr. Schwier served as the Project Manager for the design and detailing of the 350' long bridge from the Bridge Development Report stage through final design. The structure consists of Type II AASHTO girders on pile bents.
 - ❑ SR 30 (US 98) Bayou Chico Bridge Replacement; Escambia County for FDOT District Three. Mr. Schwier served as Project Manager for the design of the 200' three span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
 - ❑ SR 61 over Lost Creek Bridge; Wakulla County for FDOT District Three. Widening and reconfiguration of existing bridge to include 2-lanes of traffic, bicycle lane, and sidewalk in each direction. Mr. Schwier is the Senior Engineer on this project responsible for the design and detailing of the 270' long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36" drilled shafts.
 - ❑ SR 79 over Reedy Branch; Washington County for FDOT District Three. This project consists of the phased construction of twin 400' bridges over Reedy Branch. The area being bridged consists of large muck pockets leading to long pile lengths. Steel pipe piles were designed to facilitate splices and installation of the pile bents. The superstructure is AASHTO Type III beams. Mr. Schwier is the Lead Engineer and the Project Manager for this project.

**PROFESSIONAL
EXPERIENCE:**

1970 - 2011 (Career)
2010 - Present (LPA)

Manager - Utilities Coordination
THE LPA GROUP INCORPORATED

Mr. Payne has more than 40 years of experience as a utility coordinator. During his 30 years of service with FOOT, he received the Rolfe Mickler Award for Diligence and Support of FDOT and made significant contributions to the organization. Mr. Payne served as a direct liaison coordinating contact between utility owners, counties and municipalities, governmental agencies, local utility coordinating groups and drainage districts. This included initiating contact with utility companies for scheduled road projects involving utility adjustment or relocation of existing facilities; reviewing and approving utility engineering proposals, plans, specifications, construction schedules and estimates; preparing necessary legal agreements governed by federal and state regulations and statutes; negotiating acquisition of utility easements as involved with various proposed construction projects; coordinating/advising/reviewing highway improvement planning, design criteria and plans as regarding utilities, with departmental design units and consultant engineering firms considering such things as economics, compliance with Federal Highway Administration Program Manual, Utility Accommodation Guide, and all other governing policies; arranging and conducting Pre-Design conferences between FDOT and all utility agencies to ensure that the utility agencies' proposed design and construction work will properly scheduled and coordinated with FDOT's proposed design and construction work; initiating and compiling utility cost study during preplanning stage for inclusion in project design study report; processing all right-of-way easement and property rights of utility agencies. He also coordinates preparation of, review and recommending approval of utility permits on construction projects; processes necessary documents for certification of projects for advertisement and award of contract.

Mr. Payne acted in the above advisory capacity at pre-construction meetings between FDOT, utility agencies and the highway contractor to minimize any delay in construction of the project; assisted resident and project engineers with utility problems during construction; coordinated documentation of utility relocation work with auditors for documentation of invoices for utility adjustments; coordinated interoffice programming of planning, design maintenance permits, easements, agreements, etc., with FDOT offices of Planning, Design, Maintenance, Construction and Right-of-Way, insofar as it affects utility organizations; prepared all utility invoices for documentation by construction forces and submits to Fiscal for payment; coordinated with Production Management in scheduling of utility activities.

Project experience prior to joining LPA includes:

- January 2009 to September 2010 – PBS&J – Senior Utility Coordinator – FDOT – District 2 – General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for 35+ DOT production/construction projects. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducted on-site meetings, ensured utility compliance with FOOT regulations, and inspected utility construction and relocation operations.
- April 2000 to December 2008 – Earth Tech/AE COM – Utility Coordination/CEI Department – Manager – FDOT – District 2, General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for more than 70 construction projects, as

AREAS OF EXPERTISE:

- **Utility Coordination**
- **Inspection**

PROFESSIONAL EXPERIENCE
(Continued):

well as supervised the inspection of the specific utility work schedules. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducts on-site meetings, ensures utility compliance with FOOT regulations, and inspected utility construction and relocation operations. Supervised seven CEI inspectors, one utility coordinator and one utility office assistant.

- 1970 to 2000 – FDOT – Utility Coordinator
 - FDOT – District 2, Fuller Warren Bridge, Duval County, Florida. Utility coordinator for the reconstruction of 1.6 miles of bridges and ramps.
 - FDOT – District 2, Acosta Bridge, Duval County, Florida. Utility coordinator.
 - FDOT – District 2, 1-75 Widening and Reconstruction, Marion County Line to Georgia State Line, Florida. Provided utility coordination with as many as 12 utility agencies in two counties along the corridor.
 - FDOT – District 2, SR 15 (Riverside Avenue) Widening and Reconstruction, Edison Avenue to Acosta Bridge, Jacksonville, Florida. Provided utility coordination with as many as 7 utility agencies in Duval County.
 - FDOT – District 2, SR 207 Widening and Reconstruction, US 17 to 1-95, Putnam/St. Johns County, Florida. Provided utility coordination with as many as 7 utility agencies in these counties.
 - FDOT – District 2, SR 500 Widening and Reconstruction, US 19 to Marion County Line, Levy County, Florida. Provided utility coordination with as many as 10 utility agencies in Levy County.
 - FDOT – District 2, SR 9A Design-Build, J. Turner Butler Boulevard to Beach Boulevard, Jacksonville, Florida. Provided utility coordination with as many as 5 utility agencies in Duval County.

TRAINING:

Earth Tech Health & Safety Training

- 01 - Safety Orientation 01/22/2008
- 02 - Hazard Communication (US) IWHMIS (Canada) 12/22/2005
- 03 - Defensive Driving Awareness Training 05/12/2008
- 04 - Defensive Driving 4-Hour Course 02/28/2007
- 13 - Field Safety 4-Hour 03/06/2007
- 14 - Office Ergonomics Training 04/24/2007
- Employee Substance Abuse Training 05/29/2008
- ETUSA Southeast District Safety Metrics 09/25/2007

Training and Certifications

- Asphaltic Concrete
- Soils
- Contract Plans Reading
- Construction Inspection Mathematics
- Drainage
- Concrete Materials
- Contract Encumbrance
- Payment Processing
- 0.1. Teams
- Put-It-In-Writing Course

QUALIFICATIONS:

B.S., Mechanical Engineering, 1988
Missouri University of Science and Technology

A.A., 1983
Three Rivers Community College

REGISTRATION:

Professional Engineer (FL #50484)

PROFESSIONAL EXPERIENCE:

1975 - 2011 (Career)
June 2009 - 2011 (LPA)

Senior Project Manager
THE LPA GROUP INCORPORATED

Mr. Ivy has worked in private consulting civil engineering and related fields since 1975, and as a group leader/project manager since 1994. Ivy joined THE LPA GROUP in June 2009 as a Senior Project Manager in the Tampa office, and is working on and providing oversight and expertise on multiple general civil engineering projects throughout the state of Florida and the Southeastern U.S. His project experience includes many different types of civil engineering projects of all sizes in planning, design and construction phases. Ivy possesses a strong understanding of the engineering and construction industry, having now been in it for more than 36 years. Also, having worked throughout the United States along with some overseas experience lends valuable knowledge. The types of projects Mr. Ivy has worked on in the past include water, wastewater and reclaimed water transmission and treatment; natural gas and anhydrous ammonia pipelines, pumping and process piping; transportation including roadway and bridge design; land development including drainage systems design and permitting; civil site engineering and permitting; extensive permitting from federal, state, city, county and other agencies such as improvement districts, railroads and other entities.

Typical project experience includes:

- Restore Biloxi - Infrastructure Repair Program – Area 07: Buena Vista East Phases I & II, Biloxi, Mississippi (2009-2011) – Senior Project Engineer doing engineering for the rehabilitation of water, sanitary sewer, storm sewer infrastructure in the Buena Vista East project area. Area 7: East Buena Vista is comprised of U.S. Highway 90, Water Street, Howard Avenue, and Peyton Avenue, as well as other streets that intersect these main thoroughfares. Responsible for civil engineering design, coordination with project team, preparation of construction drawings and specifications, permitting, bidding, and construction administration.
- City of Zephyrhills, Florida – Downtown Stormwater Retention Pond and Pump Station Improvements – (2009-2010) Project Engineer for design and preparation of construction plans and specifications for the renovation of the downtown stormwater retention pond and pumping station which serves and isolated drainage basin.
- Tampa Bay Pipeline Company, Ammonia Pipeline Main Extension, Port Sutton Road, Tampa, Florida (2009-2010) – Project Manager and Engineer of Record for a proposed Ammonia Pipeline main extension project to connect two separate ammonia delivery facilities/pumping stations at Port Sutton, which is a part of The Port of Tampa.

AREAS OF EXPERTISE:

- **Project Management**
- **Stormwater Management**
- **Project Engineering**
- **Civil Site Engineering / Permitting**
- **Design**
- **Oversight / Scheduling**
- **Construction Phase Services**

PROFESSIONAL EXPERIENCE
(Continued):

- Penn Tank Lines, Tampa, Florida (2008-2009) – Project Manager and Engineer of Record for the conversion of existing 10-acre tract and building into New Penn Tank Lines Trucking Facility Building and Site Appurtenances. Services included comprehensive civil site engineering including City of Tampa site plan approval, paving and drainage, water and watershed, and other miscellaneous engineering and related tasks. Penn Tank Lines uses tractor-trailers for the hauling of fuel.
- Florida Department of Environmental Protection Recreation and Parks Department, Hillsborough River State Park, Hillsborough County, Florida (2008-2009) – Project Manager and Engineer of Record for professional consulting services for proposed parking and stormwater management improvements. Project purpose is to restore natural drainage patterns and provide improvements to the water quality of the stormwater runoff into the Hillsborough River. The project is jointly funded by FDEP and SWFWMD.
- Natural Gas Main Extension, Fort Pierce, Florida (2006-2007) – Engineering and permitting for a 4,000 foot-long, 20" diameter Natural Gas Pipeline project to deliver natural gas to a new power plant being constructed by Florida Municipal Power Association (FMPA).
- Tampa Bay Pipeline Company & Tampa Electric Company, Ammonia Pipeline Main Extension, South Hillsborough County, Florida (2005-2007) – Engineer of Record for a 10-mile Ammonia Pipeline project to deliver ammonia to the Big Bend Power Plant for the SCR process. Permits were obtained for numerous CSX railroad crossings, numerous subaqueous pipeline crossings including the Alafia River and Bullfrog Creek, FDOT, Hillsborough County, SWFWMD, Port of Tampa, and EPC.
- Natural Gas Gate Station Projects, Fort Myers, Palatka, Tampa, and Manatee County, Florida (2003-2008) – Senior Engineer responsible for civil site engineering, mechanical piping design, and construction phase services for Natural Gas Gate Station projects throughout the State of Florida.
- Vandolah Natural Gas Main Extension, Hardee County, Florida (2003) – Engineer of Record and Project Manager for design and construction phase services for a seven-mile Natural Gas Pipeline project. Design, permitting, and construction was completed in record time (April to August 2003). Gas Main was put in operation in August 2003. Project was also well within budget.

PROFESSIONAL MEMBERSHIPS:

National Society of Professional Engineers
American Society of Civil Engineers
Florida Natural Gas Association
Florida Engineering Society
Florida Utilities Coordinating Committee
Greater Tampa Utility Group
Rotary International

ADDITIONAL TRAINING:

Underground Storage Tank Management, University of Wisconsin – Madison
Seismic Design of Highway Bridges, National Highway Institute, USDOT, FHWA, Imbsen and Associates, Inc. Engineering Consultants

**PROFESSIONAL
EXPERIENCE:**

1983 - 2011 (Career)

2002 - 2011 (LPA)

**Public Involvement Manager
Florida Surface Transportation
THE LPA GROUP INCORPORATED**

Mrs. Pfuntner has 28 years of experience in community involvement, public relations, business development, marketing, CADD management and production, graphics and manual drafting and survey processing in virtually all disciplines of engineering including roadway, drainage, site, environmental, landscape, signing and pavement marking, signalization, surveying and mapping (including R/W mapping). She is responsible for planning and implementing effective public involvement plans, public meetings, public speaking presentations and creating and distributing valuable communication materials, and informative websites for transportation and recreational projects, as well as business development, plans production supervision, preparation of man-hour estimates and project scheduling. She is familiar with the FDOT CAP criteria and characteristics of the Level of Impacts for transportation projects.

Ms. Pfuntner's extensive FDOT plans production expertise and graphics experience allow her to create literature and graphics, which effectively and accurately convey aspects of transportation or recreational projects to the public and stakeholders. She excels in interpersonal and organizational skills with effective communications, negotiations, analytical and problem solving skills.

LPA Project Experience:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Public Involvement Manager for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Districtwide Community Awareness for FDOT District Five – As Project Manager, Bonnie is responsible for coordination, development, implementation, notification and conducting public meetings/workshops and public involvement activities, such as presentations and meeting exhibit preparation for District Five's in-house design projects.
- SR 10 (US 90) Mahan Drive, from Dempsey Mayo Road to Walden Road in Leon County for FDOT District Three – Community awareness for the reconstruction and widening of a 3.1 mile existing 2-lane rural highway to a 4-lane divided highway in Leon County. Duties include development of the Community Awareness Plan – CAP Level II, and organizing/conducting public meetings. Also included is conducting coordination with property owners and FDOT regarding impacts and controversial changes in the access classification.
- SR 30 (US 98) Navy Boulevard Bayou Chico Bridge Replacement, in Escambia County for FDOT District Three – Community awareness at a CAP Level II for the replacement of the existing bridge with a 180' long bridge. This project's initial public meeting resulted in public input requesting a revised design to raise the horizontal clearance an additional 7' to allow for better boat access to and from the Bayou Chico. An additional public meeting was held to convey the raised bridge design which FDOT approved. The project also included coordination with property owners and FDOT regarding impacts of the raised profile grade of the bridge approaches.

AREAS OF EXPERTISE:

- **Public Involvement**
- **Presentation
Materials/Graphics**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 500 (US 192) Indian River Relief Bridge Replacements, in Brevard County for FDOT District Five – Community awareness at a CAP Level II for the development of a Design-Build Criteria Package. This project's public involvement activities included two agency meetings and one public meeting in addition to the development of the scope and CAP for the Design-Build RFP.
- Blueprint 2000 and Beyond General Engineering Consultant Contract – As Public Involvement and Public Information Manager for a \$800 million transportation infrastructure program, Ms. Pfuntner was responsible for management of the Public Involvement Program and supervision of the Public Information Officer and the Public Relations subconsultant. The Public Involvement Program includes development of Community Awareness Plans, organization and coordination of all project public meetings and hearings, and database management for public comment and commitment tracking on all projects. Other duties include web site development, press releases, media information and correspondence, and public speaking events. Additionally, she was responsible for production of project concept reports for seven transportation and stormwater improvement projects.
- SR 61 (US 319) Crawfordville Road from SR 30 (US 98) to Lost Creek Bridge, in Wakulla County for FDOT District Three – Community awareness for the reconstruction and widening of an existing 2-lane rural highway to a 4-lane divided highway that will include both a rural and urban section in Wakulla County. Duties include development of the Community Awareness Plan, and organizing/conducting three public meetings in the community. Also included is conducting coordination with property owners and FDOT regarding impacts of the future right-of-way. This project's public involvement aspects are being coordinated with two other design projects underway along the same corridor, adding two levels of coordination. This level of coordination adds continuity and is improving awareness county wide.
- Monticello By-Pass Corridor Study, in Jefferson County for FDOT District Three – Developed Community Awareness Plan, organized and conducted several public meetings in the community. Performed various data gathering activities for input into the socio-economic impact analysis.
- SR 20 (US 27) Milling and Resurfacing, in Jefferson County for FDOT District Three – Developed Community Awareness Plan.

Representative projects prior to LPA include:

- Florida's Turnpike Traffic General Consultant Contract - As a subconsultant to the GEC on two consecutive 5-year contracts, Ms. Pfuntner participated in public hearings held around the state. In this capacity she created presentations and graphic display boards, organized meetings for various types of public hearings and meetings, including renderings of noise walls and toll plazas.
- City of Tallahassee Continuing Services - Participated in public meetings to build awareness and consensus, created graphics and presentation materials for public meetings on several projects, which included renderings of stormwater facilities, roadway improvements and recreational enhancements to corridor projects.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Professional Credentials

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

Professional Organizations

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

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques

Years Experience with EGS: 19

Years Experience with Other Firms: 16

Relevant Experience

Leon County, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to Leon County under a General Service Contract. The tasks have included the Geotechnical analysis for the design life of existing culverts, culvert extensions, mast arm installation, slope evaluations, base failures, lane additions, structural foundations and stormwater pond designs. In addition, the services have included the analysis and remediation of several karst features

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

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

Relevant Experience, cont.

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District 3, Chipley, FL – Provides miscellaneous services to the Florida Department of Transportation under a General Service Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

Capital Cascade Sinkhole, Blueprint 2000 and Beyond – Conducted an emergency geotechnical investigation and design for a sinkhole which formed during construction of a stormwater management facility. The site was a listed EPA Superfund location because of known buried coal tars; therefore, the sinkhole posed both an environmental and constructability problem. The project included the use of ground penetrating radar, as well as soil borings, to evaluate the subsurface conditions in 3 dimensions to verify the “throat” of the sinkhole. A remedial solution was then design and approved by EPA. This project has been awarded the local APWA Emergency Project of the Year and has been nominated for the State Award for 2011.

Lake Munson Sediment Evaluation, Leon County, Department of Public Works - Conducted the geotechnical investigation to evaluate the depth of sediment within Lake Munson as part of a Munson Slough Drainage Improvements Project. The investigation was conducted to map the natural lake bottom, and to determine the type of soils to be dredged and disposed of. In addition, the constituents within the sediments were analyzed to determine if they could be disposed of in a permitted Construction and Debris Landfill, or if they would require special handling due to contamination.

SR 263 (Capital Circle), Leon County, Blueprint 2000 and Beyond – Conducted the geotechnical investigation for the widening of 5 segments of Capital Circle, from I-10 at Capital Circle Northwest to the intersection of Capital Circle Southeast and Apalachee Parkway. The widening design included recommendations for lane additions, mast arm design, slope stability and retention wall design, culvert replacements and extensions, and stormwater treatment facilities. Extensive investigations into the potential of impact as a result of karst (sinkhole) formations were included.

SR 79, Washington County, FDOT District 3, Holmes and Washington County, FL (FDOT FPN 220773-32-01, Sections 3, 5, 6, 7 and 8) – Conducted the geotechnical investigation for five (5) sections of the SR 79 reconstruction and widening project in Washington and Holmes County, Florida. The geotechnical design for the roadway included asphalt coring, parameters for pavement design, analysis for culvert extensions and recommendations for swale exemptions and stormwater ponds. Also included in the project was the bridge and embankment design for the SR 79 bridge replacement over Holmes Creek and the bridge replacement over Reedy Branch Creek.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E.
Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971

Bachelor of Science, Civil Engineering, Oklahoma State University, 1977

Master of Science, Civil Engineering, Kansas State University, 1979

Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter

Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow

American Public Works Association

National Society of Professional Engineers

Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

- Over 25 years of environmental design and permitting experience, including natural features, wetland delineation, environmental impact, and environmental management
- Highly-skilled at regulatory agency coordination
- Familiarity of Northwest Florida Water Management District, Florida Department of Environmental Regulation, U.S. Army Corps of Engineers, Leon County Permitting Requirements

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

Leon County, Department of Public Works, General Service Contract – Provides miscellaneous services to the County under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

City of Tallahassee, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to the City of Tallahassee under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Natural Bridge Road over the St. Marks River Bridge Replacement, Leon County, FDOT District 3 - Served as project manager for environmental permitting for Natural Bridge Road over the St. Marks River, an Outstanding Florida Water. The project included obtaining the following Leon County Growth Management Permits: Natural Features Inventory Permit, the Environmental Impact Analysis Permit, the Leon County Public Infrastructure Variance, and the Environmental Management Permit. In addition, permitting for wetland impact was obtained through the joint submittal of the ERP application with the FDEP and the ACOE.

SR 261 (Capital Circle SE), Leon County, Blueprint 2000 & Beyond – Completed the environmental permitting for the widening of Capital Circle from two lanes to 4 lanes from Tram Road to Woodville Highway. The widening design included recommendations for lane additions and stormwater treatment facilities to minimize impact to the natural features within the area. The permitting agencies included the City of Tallahassee, Growth Management Department (Natural Features Inventory Permit, Environmental Impact Analysis Permit, and Environmental Management Permit), US Fish and Wildlife Service (Gopher Tortoise Relocation Permit), and the Northwest Florida Water Management District (Environmental Resource Permit).

Eastern Transmission Line, Phase I and Phase II, City of Tallahassee - Completed the environmental permitting for the construction of twenty (20) miles of the Eastern Transmission Line for the City of Tallahassee, Electric Department. This project included close coordination with the City of Tallahassee, Growth Management Department, the Electric Department, the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers and the Northwest Florida Water Management District. The design route included the southern fence line of I-10 between the SR 319 and the SR 10 (Mahan Drive) interchange, west along Mahan Drive to Weems road, then south to substation BP-9 on Apalachee Parkway. The project included acquisition of the following permits: City of Tallahassee and Leon County – Natural Features Inventory, Environmental Impact Analysis, Environmental Management Permit; Florida Department of Environmental Protection – Dredge and Fill Permit, Stormwater Discharge Permit; U.S. Army Corps of Engineers – Nationwide Permit; and Northwest Florida Water Management District – Environmental Resource Permit.

Capital Cascade Trail Master Plan, Blueprint 2000 & Beyond - The Capital Cascade Trail project is a flood relief and greenways plan for a 5.2 mile corridor through Tallahassee, Florida. This project includes the planning and design for trails, parks and greenway amenities in combination with the stormwater aspect of flood control for the St. Augustine Branch and the Central Drainage Ditch. EGS worked with the Genesis Group to prepare the Natural Features Inventory Permit and participated in numerous public workshops.

Lake Elberta Park, City of Tallahassee - The Lake Elberta Park project included the environmental permitting and design for bike trails and picnic shelters to be constructed at the Lake Elberta Regional Stormwater Management Facility. This project included close coordination with the City of Tallahassee, Parks Division. Permits included the City of Tallahassee, Growth Management Department applications for the Natural Features Inventory, the Environmental Impact Analysis and the Environmental Management Permit.



2734 Capital Circle NE, Florida 32308

Phone: 850/385-1133

Fax: 850/385-1236

Website: www.dddsinc.com

PROFESSIONAL RECORD

Jason D. Hill, PSM
Survey Project Manager

Jason Hill has 23 years of experience in surveying and mapping, working primarily on Florida Department of Transportation projects for the past 16 years. His experience encompasses: design surveys; right-of-way surveys; horizontal and vertical control surveys, topographic surveys; including utilization of electronic field book; jurisdictional delineation; and geodetic and construction surveying. As a Project Manager he has the responsibility of managing multiple projects, ensuring detailed attention and quality assurance to each one. His duties include: client contact; scheduling, manpower allocation; quality control and project budgets. Mr. Hill has worked with various city and county governments, the Florida Department of Transportation, and a variety of private sector clients.

KEY PROJECTS

FDOT 3 SR 61/US 319 (Leon) 4246091 from Timberwolf Crossing to the Georgia State Line: Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL: Mr. Hill is the Project Manager for this project which consists of sixteen areas covering twenty-five square miles, which require location, identification and mapping of stormwater infrastructure. This is the second phase of a complete city-wide stormwater infrastructure inventory mapping project of the City of Tallahassee's stormwater WFR.

FDOT 3 Bellview & Bauer Bridge in Escambia County: Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 CR10 US 90 (Walton) 4246131 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

FDOT 3 SR20 (Leon County) 423067-1 Jason is the Project Manager for this project for which 3DS is providing surveying services for the 3R project These services included typical 3R cross-section and data collection of utilities, drainage and 2D planimetrics

FDOT 3 SR30A (Bay County) 219312-1 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 3D topographic survey.

City of Tallahassee/Blueprint 2000 Capital Circle NW/SW: Mr. Hill provided surveying services for the full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Holmes 4252772 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Walton 4252771 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 SR 291 (Escambia) 4153781 Jason was the Project Manager for this project which included boundary location for the preparation of a control survey.

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, Certification No. 6008



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Pamela W. Nobles, PSM
President

Ms. Nobles has been involved in surveying and mapping since 1991 and is the owner of Diversified Design & Drafting Services, Inc. (3DS), which specializes in finished topographic maps for use in engineering design. Ms. Nobles oversees all aspects of both Surveying and Photogrammetry operations by serving as Project Manager and Principle-in-Charge for both divisions as well as Business Manager for the Company. She also spends considerable time contributing and promoting the profession of Surveying and Mapping. She has served on the Florida Board of Professional Surveyors and Mappers, serving three years as chair. With this tenure, she helped institute and write a photogrammetric exam for licensure in the State of Florida. Ms. Nobles also participates on the National Council of Examiners of Engineers and Surveyors Exam Committee for Professional Surveyors as a Subject Matter Expert.

PROJECT HISTORY

Capital Circle NW/SW, 2006 – 2010, H.W. Lochner Engineering, Inc.
Tallahassee, Florida

Is serving as *Project Manager* for this full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phases 1 and 2, 2006/2011, Woolpert
Tallahassee, Florida

Served as *Principle-in-Charge* for both phases of this project. Phase 1 of this project consisted of four pilot areas and required location, identification and GIS mapping of stormwater infrastructure. The purpose was to assess the costs, approach and resources needed to complete a stormwater infrastructure inventory for the City of Tallahassee. The information was used to update the County's GIS database. In 2009, 3DS was awarded Phase 2 of this project which consisted of sixteen additional areas covering twenty-five square miles, which required location, identification and mapping of stormwater infrastructure.

Leon County GPS/LIDAR Mapping, 2005 to 2009, Merrick Engineering Co.
Tallahassee, Florida.

Principle-In-Charge of this complete Blue Booking project involving GPS control network, target control and mapping check points for LIDAR mapping. This project create the initial database for the entire GIS system for Leon County. This system included planimetrics, contours and parcel mapping. 3DS has held the contract along with Merrick, Inc. for all updates performed since the initial program began.

FDOT 3 SR 61/US 319 from Timberwolf Crossing to the Georgia State Line, H.W. Lochner Engineering, Inc.
Leon County, Florida

Principle-In-Charge for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Panama City Airport Authority Mitigation Project, 2008 – 2011, St. Joe Company
Panama City, Florida

Currently serving as *Principle-in-Charge* for this project for which 3DS is producing color infrared mosaic photography to determine and document the health of various trees and foliage. 3DS is also providing horizontal and vertical geodetic control throughout the project area to support orthophoto production. On a bi-annual basis 3DS is providing oblique flights and photography of the project area as well.

FDOT 3, Design Group 07-2, SR61 and SR363, George & Associates, Inc.
Tallahassee, Florida

Principle-In-Charge of this full design and DTM survey of the Four Points area in Tallahassee. These were multi-lane intersection surveys in support of 3R design.

EDUCATION

University of Florida, Gainesville, Florida.
Surveying and Mapping BS

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, 1996, Certification No. 5645

Professional Land Surveyor, State of Alabama, 2006, Certification No. 27945-S

Board Member: Board of Professional Surveyors and Mappers Department of Agriculture and Consumer Services, Oct 2009 – Present.

Board Member: Board of Professional Surveyors and Mappers Department of Business and Professional Regulation. 2000-2008. Board Chair, 2001 – 2005; Board Chair 2002 – 2005; Vice Chair – 2001

Education/Training

BS / Land Surveying / 1981 / University of Florida

Registration/Certification

PLS / FL – 1983 / #4179

PLS / LA - 2009 / #5023

Experience

35 Years

Professional Affiliations

- Florida Surveying and Mapping Society
- American Congress on Surveying and Mapping
- National Society of Professional Surveyors
- American Association for Geodetic Surveying

Expertise

As Senior Project Manager of Cardno TBE, Mr. Thie is responsible for the acquisition and management of Surveying and Mapping multi-year contracts and individual projects in North Florida, Alabama, Mississippi, Arkansas and Louisiana. Over the course of his career, Mr. Thie has managed hundreds projects relating to all aspects of the surveying profession. This experience has given Mr. Thie the ability to oversee projects from conception to completion. He is able to anticipate challenges before they arise and find creative and innovative solutions, assuring projects are delivered on time or ahead of schedule and in a cost-efficient manner.

Mr. Thie extensive experience throughout the Southeastern United States includes, but not limited to: Boundary, GLO Retracement, Mean High Water, Right of Way, Horizontal and Vertical Control, Transportation Design, Subsurface Utility and Hydrographic surveys.

Over the course of his career, Mr. Thie has provided surveying and mapping services to Federal, State and Local Government agencies including Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), United State Army Corp of Engineers (USACOE) and the St. Johns River Water Management District (SJRWMD) to name a few.

Mr. Thie spent eight years as the Survey Consultant Project Manager with FDOT District II. While at the DOT, Mr. Thie oversaw the execution and completion of eight district wide Surveying and Mapping and Subsurface Utility Engineering contracts. This first-hand experience gave Mr. Thie a complete understanding of District II's requirements and procedures for completing all aspects of surveying relating to transportation facilities. Mr. Thie was also involved with the development and testing of the Department's Electronic Field Book (EFB) software during his DOT tenure.

Key Project Experience

I-10 Davis-Scenic Final Design / FDOT District III / Escambia County, FL. Cardno TBE is providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. |

Mid-Bay Connector Phase II and III / FDOT District III / Okaloosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. In total, Cardno TBE designated approximately 25,600 linear feet of underground utilities and completed approximately 40 test holes.

District Wide Surveying Contract / FDOT District II / Multiple Counties, FL. On an on-call, task work order basis, Cardno TBE provides Surveying and Mapping as well as Subsurface Utility Engineering services.

Drainage Improvements / FDOT District II / St. Johns County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to determine the horizontal and vertical position of the underground utilities within the project limits.

Statewide Surveying and Mapping Services / FDEP / FL. On a task work order basis, Cardno TBE provides miscellaneous surveying and mapping services.

District Wide General Engineering Contract / FDOT District II / Multiple Counties, FL. As task work orders dictate under this multi-year contract, Cardno TBE provides control, alignment and design surveying services. We also provide designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering.

I-295 from Common Wealth to Trout River / FDOT District II / Duval County, FL. Cardno TBE is completing control and design survey services as well as providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 20 and Hawthorne Road / FDOT District II / Alachua County, FL. Cardno TBE completed control and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15/US 17 / FDOT District II / Duval County, FL. Cardno TBE completed control, alignment, and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR AIA / FDOT District II / Nassau County, FL. Cardno TBE completed control, alignment and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Putnam County, FL. Cardno TBE completed a control survey as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface

Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits. Cardno TBE completed approximately 40 test holes to map a fiber optic cable.

SR 15/US 17 at Wells Road / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15 at 5th Avenue (Callahan) / FDOT District II / Nassau County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

I-75 / FDOT District II / Hamilton County, FL. Cardno TBE provided Surveying and Mapping services to recover and densify primary and secondary horizontal and vertical control as well as completing a topographic survey within the project limits.

SR 200 / FDOT District II / Alachua County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

Education/Training

MA / Construction Engineering and Management / 1980

BS / Civil Engineering / 1971 / Auburn University

Registration/Certification

PE / 2006 / FL / #65392

PE / 2008 / LA / #0033815

PE / 2006 / AR / #11084

PE / 2005 / MS / #16853

PE / 1990 / VA / #0402 021467

Navy Contracting Officer

Certified Acquisition Professional

Experience

39 Years

Professional Affiliations

- Florida Utilities Coordinating Committee
- American Society of Civil Engineers
- Society of American Military Engineers

Expertise

As the Director of Cardno TBE's North Florida Business Unit, Mr. Allen directs all Subsurface Utility Engineering, Surveying and Mapping and professional Utility Coordination projects in North Florida, Alabama, Mississippi and Louisiana.

Mr. Allen's experience providing Subsurface Utility Engineering services includes the management multi-year contracts and hundreds of individual projects. He has an outstanding record for the quality of his team deliverables and for delivering project on-time or ahead of schedule.

He is proficient with the latest industry technology, as well as developing and implementing successful management strategies. Mr. Allen is an original member of the American Society of Civil Engineers (ASCE), Standards Committee charged with creating the *National Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data* (CI/ASCE 38-02).

Key Project Experience

Thomas P. Smith WRF Improvement Project / City of Tallahassee Water Utilities Department / Tallahassee, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits of this plant expansion project. We mapped approximately 110,000 linear feet of underground utilities within the 30 acre design site and completed 217 conflict test holes to identify and facilitate the relocation of existing subsurface utilities. Our Subsurface Utility Engineering efforts on this project involved the identification of many different types of gas, sewer and water lines all involved in the treatment of wastewater. The design engineer provided a very specific framework for us to use during data collection and design file preparation. We successfully conformed to their requirements and mapped a very intricate web of subsurface utilities. Thanks to our efforts, they were able to design around many utilities and save the project owner dollars they could then use on other improvement projects. Cardno TBE also provided Surveying and Mapping services which included densification of traverse control and mapping the stormwater and gravity sewer systems within the plant.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 263 Capital Circle SE / City of Tallahassee, FL. Cardno TBE provided locating (ASCE Quality Level A) verification for existing water and sanitary sewer facilities on Capital Circle for the widening of SR-263. TBE researched a five year-old FDOT project for the widening of Crawfordville Highway in order to re-establish the precise location of an existing 30" transite/AC

sanitary force main at the Crawfordville intersection.

City Sewer Plant on Capital Circle / City of Tallahassee, FL. To assist with the planning of expansion alternatives for the Plant, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to verify the horizontal location of existing underground electric, natural gas, telephone, control wiring, water, and process piping.

Thirty-inch Sanitary Force Main Bypass / FDOT District III / Tallahassee, FL. Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services for the design and construction of a new 30" bypass sanitary force main. Where the force main crossed SR-10/US-90 Mahan Drive in Tallahassee; we avoided numerous communications, water, and natural gas underground facilities.

SR 313 (formerly SR 312 extension) from SR-16 to US-1 / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

Multilane Reconstruction of SR 369 from Wakulla County Line to LL Wallace Road / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 8/I-10 Rest Areas / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provided

designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

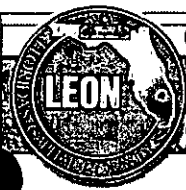
SR 30 (US 98A) / FDOT District III / Bay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 87, Segment 4 / FDOT District III / Santa Rosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 83 (US 331) from Choct. Bay Relief Bridge to South of SR 20 / FDOT District III / Walton County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30/US 98 from S. of 9th Street to ICWW Bridge / Gulf County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 8 (I-10) from East of SR 291 (Davis Highway) to East of SR 10A (US 90) / FDOT District III / Escambia County, FL. For the multi-lane reconstruction project widening SR 8(I-10) from four lanes to six lanes from East of SR 291 to East of SR 10A; Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.



3. If the respondent is not a joint venture, list outside consultants anticipated to be used on this project. When listing consultants, give the respective specialty of the firm. Standard form SF330 may be used for consultants, if desired.

TECHNICAL EXPERTISE

LPA has assembled a well qualified Team to complete any potential assignment. Our office is conveniently located off Apalachee Parkway in Leon County and we have staff members with previous experience with the County. By using established local subconsultants with the technical expertise, we can stretch your dollars by minimizing travel costs. Our survey and geotechnical crews are local. Our entire Team lives and works in Leon County. For Construction Engineering Inspection (CEI) services we have teamed with two Leon County / City of Tallahassee certified Minority/Women Owned Business Enterprises with which we have a long established relationship.

Environmental and Geotechnical Specialists, Inc.

104 North Magnolia Drive, Tallahassee, Florida 32301
Phone: (850) 386-1253, Fax: (850) 385-8050



The M/DBE firm of **Environmental and Geotechnical Specialists, Inc. (EGS)** provides the specialty services associated with environmental and geotechnical engineering. EGS is highly qualified and has an outstanding work experience in northern Florida. EGS specializes in the areas of environmental permitting, environmental site assessments, contamination assessments and geotechnical investigations and designs. The staff at EGS has been providing professional services in this area since 1992. EGS is dedicated to providing exceptional services at competitive rates.

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS' professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. All subsurface investigations and recommendations are coordinated with the Project Manager to assure an investigation is focused on the project issues. All team members are familiar with the requirements for geotechnical evaluations and report submittals.

EGS also has a professional and knowledgeable staff experienced in providing environmental assessments and engineering solutions to various construction related environmental problems encountered during the planning, engineering and design phase of the projects. EGS' staff is familiar with the regulatory requirements of the Northwest Florida Water Management District, the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers. The results of EGS' investigations are presented in a focused engineering report prepared by a licensed professional engineer.

3DS

2374 Capital Circle NE, Tallahassee, Florida 3230
Phone: (850) 385-1133, Fax: (850) 385-1236

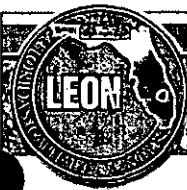


3DS has extensive experience in geodetic control surveys, boundary surveys, construction layout, as-built surveys, CEI surveys, right-of-way surveys and wetland jurisdiction surveys. One of the things that makes 3DS unique is that many of these surveys can be performed either traditionally or through photogrammetric methods.

3DS is prequalified with the Florida Department of Transportation and is a Leon County / City of Tallahassee certified Minority/Women Owned Business Enterprise.

Services Include:

- Geodetic Control Surveys
- Blue Booking Control Networks
- Topographic Surveys (conventional, photogrammetric, LiDAR)
- LiDAR data processing
- Orthophotos
- Wetland jurisdictional surveys
- Airport Surveys
- Mobile LiDAR feature extraction
- High Definition Scanning



Cardno TBE

2804 Remington Green Circle, Suite 4, Tallahassee, Florida 32308
Phone: (850) 385-8232, Fax: (850) 385-8233



Cardno TBE provides clients the highest quality Subsurface Utility Engineering, Three-Dimensional Underground Imaging, professional Utility Coordination, Utility Design and Surveying and Mapping services available.

Throughout the United States and Internationally, Cardno TBE associates are actively involved with industry associations and take part in the research and development of industry standards and guidelines. Due to this and extensive practical experience, their associates are sought internationally for speaking engagements.

Cardno TBE began providing Subsurface Utility Engineering in 1993. Annually, Cardno TBE successfully completes, on average, 11,000 test holes and 5,000,000 linear feet of designating. They have more Subsurface Utility Engineering professionals, equipment and vehicles than any other engineering and design firm, making Cardno TBE the largest Subsurface Utility Engineering provider in the world.

Cardno TBE's staff includes professional, registered surveyors and engineers, survey technicians and field crews. Each associate is focused on maintaining cutting-edge, quality service. Using sophisticated equipment and technology, their professionals prepare 2-D maps and/or 3-D digital files as needed for the task at hand. Applications include federal, state, county and city government continuing service contracts and stand-alone private and public projects.

They are an energetic firm committed to providing innovative and sustainable solutions. Cardno TBE is one of the few firms who have not only embraced the principles and techniques of Total Quality Management (TQM), but use TQM to continually examine and improve their internal processes and procedures to help implement their vision. In fact, 90% of their clients surveyed indicate they would recommend them to someone else for their services. This demonstrates their commitment to quality.

Cardno TBE is currently ranked 9th on *Trenchless Technology's* Top 50 Design Firms (2009) and #137 on *Engineering News-Record's* (ENR) List of Top 500 Design Firms (2010) and is the recipient of numerous industry and civic awards, including;

- 2006 North American Society for Trenchless Technology (NASTT) Industry Achievement Award for Cardno TBE's contribution over the past 15 years in the development and support of the trenchless technology industry
- Federal Highway Administration (FHWA) 2009 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2007 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2006 Excellence in Utility Relocation and Accommodation/Innovation Award

Headquartered in Clearwater, Florida, Cardno TBE has over 40 offices providing services throughout the United States, Canada, United Kingdom, China and Puerto Rico. For more information about Cardno TBE, visit www.CardnoTBE.com. Learn more about Subsurface Utility Engineering at www.SubsurfaceUtilityEngineering.com.



B. EXPERIENCE WITH PROJECTS OF A SIMILAR TYPE AND SIZE

- List the projects in the Work Category which best illustrate the experience of the firm and current staff which is being assigned to this project. (List no more than 10 projects, nor projects which were completed more than five (5) years ago.) a) Name and location of the project b) The nature of the firm's responsibility on this project c) Project Owner's representative name, address and phone number d) Project user agency's representative name, address and phone number e) Date project was completed or is anticipated to be completed f) Project manager and other key professionals involved and specify the role of each.*

THE LPA GROUP INCORPORATED has performed similar services for several clients at the City, County, and State levels. These services have ranged from assisting clients with managing construction projects and full-time inspection, to part-time construction project assistance. The following highlighted projects are similar to CEI projects anticipated as part of the Leon County Civil Engineering Services, Continuing Supply contract.

AIRFIELD PERIMETER ROAD

Tallahassee Regional Airport, Florida

Owner: City of Tallahassee

Construction Cost: \$1.85 Million

Completion Date: July 2002 (Design)
June 2003 (Construction)

Scope of Services:

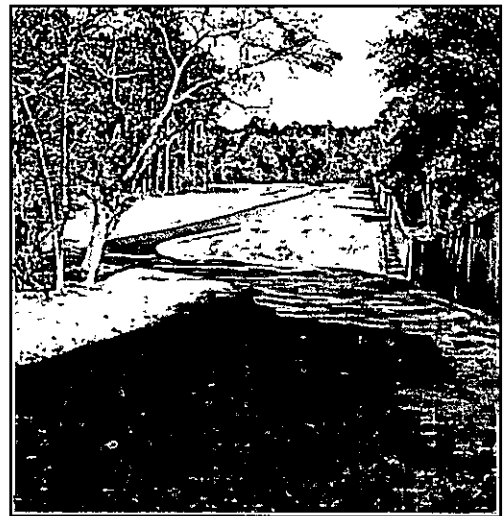
- Design Phase Services
- Bidding Phase Services
- Construction Administration Services
- Construction Inspection Services

THE LPA GROUP INCORPORATED provided the City of Tallahassee with Construction Management and Construction Inspection services for eight miles of perimeter road at the Tallahassee Regional Airport. Our services included daily oversight of the contractor and their activities, coordination with airport operations and management, airfield safety oversight, measurement of quantities, pay requests, reporting and record keeping. LPA also managed the Quality Assurance process with assistance from a geotechnical and materials testing subconsultant for controls over earthwork compaction, base course placement and asphalt pavement operations. Since the project was federally funded, heightened administrative functions were required for project accounting, contractor's payroll, documentation of adherence to federal laws, DBE monitoring and a comprehensive closeout package.

THE LPA GROUP INCORPORATED provided the City of Tallahassee with services to modify the Airport's Perimeter Road. The existing Perimeter Road was mainly composed of a dirt and lime rock surface. Seven miles of paved airport service/perimeter was designed to serve Airport operations staff, police, fire and airport tenants. The section consisted of 18' of 2" thick pavement over 6" limerock base with variable shoulder widths. Horizontal and vertical geometrics were designed for 30 mph, whenever possible. Major modifications included clearing and grubbing, excavation and backfill, grading, base work, bituminous asphalt paving and pavement marking.

CONTACT:

Mr. Kenneth M. Austin, Director
Department of Aviation
Tallahassee Regional Airport
3300 Capital Circle, SW
Tallahassee, Florida 32310
Phone: (850) 891-7802



BLUEPRINT 2000 CAPITAL CASCADE TRAIL

City of Tallahassee / Leon County, Florida

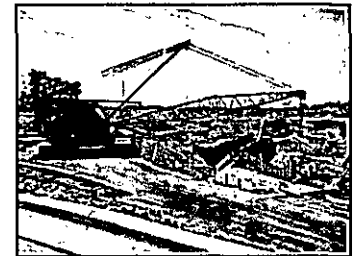
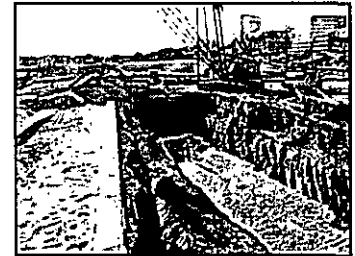
Owner: BluePrint 2000
Intergovernmental Agency

Construction Cost: \$18,000,000

Completion Date: Ongoing

THE LPA GROUP is providing construction engineering and inspection services for the current construction of Segment 2. Services are being provided as the General Engineering Consultant for BluePrint 2000. Construction is valued at \$18 million with a planned completion date of December 2012. The Capital Cascade Trail consists of four physically distinct segments that can generally be described as follows:

- A. Segment 1 – This segment is well known for its periodic flooding due to the restricted size of the concrete-lined section of the St. Augustine Branch located in the center of the boulevard. Franklin Boulevard is a Leon County roadway that is currently classified as a ‘minor arterial,’ which provides only vehicular use (no sidewalks or bicycle lanes).
- B. Segment 2 – This segment has a long and well-known history, from the early inhabitants of the region, to the founding of Tallahassee, through the Centennial Field era, to its current status as a contaminated site. With this history comes great opportunities to create a ‘downtown park’ amenity for the community that will not only serve as a focal point for downtown activities but a daily refuge for the citizens that live and work nearby. In addition, the park will provide improved habitat for the natural environment and stormwater capacity to relieve the chronic flooding problems along Franklin Boulevard and South Monroe Street.
- C. Segment 3 – The properties adjacent to Segment 3 can be characterized as both established and ‘in transition’ from one use to another. As with every segment of the project, the goals are multi-faceted, with the overall objective of providing a multi-use trail located within a greenway setting that will link smaller community parks along with the overall reduction of flooding and improvement of the water quality of the St. Augustine Branch. Connectivity to other bicycle/pedestrian routes and trails, and connectivity between campuses, has also been considered.
- D. Segment 4 – This segment is characterized by adjacent industrial and commercial uses and limited or non-existent Right-of-Way on the north to a more rural character on the south. Although the goals for this segment are consistent with the others, Segment 4 provides an increased opportunity to enhance the water quality of the Central Drainage Ditch basin prior to discharge into Munson Slough.



CONTACT:

Mr. Phil Maher
BluePrint 2000 Interim Executive Director
2727 Apalachee Parkway
Suite 200
Tallahassee, Florida 32301
Phone: (850) 219-1060

HARBINWOOD ESTATES DRAINAGE IMPROVEMENTS CONSTRUCTION INSPECTION SERVICES

Tallahassee, Florida

Owner: Leon County

Completion Date: August 2008

Scope of Services:

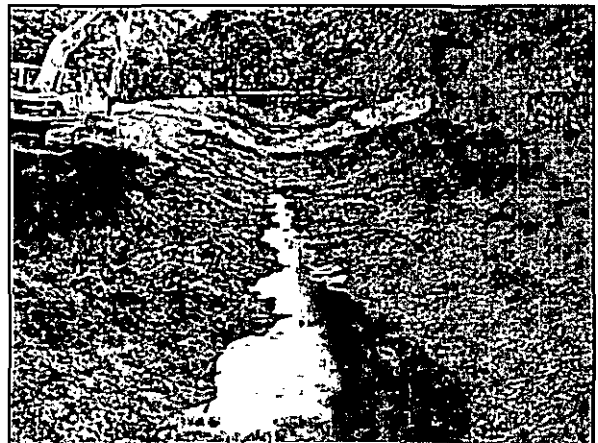
- Construction Engineering & Inspection Services

This project consisted of the improvements of the stormwater system in the Harbinwood Estates of Leon County. The LPA Group provided a full-time inspector to monitor various tasks, such as construction of all drainage elements (pipes, inlets, box culverts), sheet pile driving operations, earthwork fill operations, base placement and preparation, asphalt paving, concrete pavement construction, demolition, guardrail installation, and all sodding / landscaping work. The Construction Inspector's (CI) duties during construction were to observe the Contractor's daily operations. Work for the CI included:

- assisting the County with the coordination and scheduling of quality assurance testing;
- inspecting the work to verify that it was in accordance with the plans and specifications;
- assisting the County in quantity calculations for monthly progress payments;
- assuring NPDES permit compliance by inspecting siltation devices regularly;
- reviewing MOT procedures to ensure traffic control devices were in their appropriate locations;
- insuring proper tree protection and wetland identification / barricades, when necessary;
- assisting the County with DBE requirements and monitoring;
- assisting with the coordination of the Contractor's activities with local residents;
- serving as a direct liaison between the Contractor and the County;
- maintaining project records (daily diary, quantity calculations, photo log, and record drawings) that were submitted to the County at the conclusion of the project;
- submitting weekly reports, and;
- attending the final walk through inspection and one of the punchlist completion inspections.

CONTACT:

Ms. Betsy Thorpe
Chief of Construction Management
Leon County
2280 Miccosukee Road
Tallahassee, Florida 32308
Phone: (850) 606-1500



BRADFORDVILLE ROAD CULVERT REPLACEMENT CONSTRUCTION INSPECTION SERVICES

Tallahassee, Florida

Owner: Leon County

Completion Date: September 2006

Scope of Services:

- Construction Engineering & Inspection Services
- Construction Administration Services

This project included the replacement of a large drainage pipe under the road, ditch improvements along the road and extensive traffic control as required.

LPA provided a qualified, full time, on-site inspector who assisted the County with:

- the coordination and scheduling of quality assurance testing;
- the site inspections to verify that the work was in accordance with the plans and specifications;
- maintaining project record drawings (red lines) for submittal to the County;
- maintaining communication between the County and the Contractor;
- reporting daily activities by providing daily reports on the contractors activities (work performed, weather, equipment, conversations, Q/A testing) to the County; and
- measuring and quantifying work items.

CONTACT:

Ms. Betsy Thorpe
Chief of Construction Management
Leon County
2280 Miccosukee Road
Tallahassee, Florida 32308
Phone: (850) 606-1500



CLOUDLAND DRIVE 2/3 PROJECT AND DRAINAGE IMPROVEMENTS CONSTRUCTION INSPECTION SERVICES

Tallahassee, Florida

Owner: Leon County

Completion Date: January 2008

Scope of Services:

- Construction Engineering & Inspection Services

Construction work included road re-construction, roadside ditches, driveway reconstruction, and stormwater conveyance systems along Cloudland Drive from Arlington Road to Mays Road and along Mays Road from Cloudland Drive to Lakeshore Drive.

LPA provided a qualified, full time, on-site inspector who assisted the County with:

- the coordination and scheduling of quality assurance testing;
- the site inspections to verify that the work was in accordance with the plans and specifications;
- maintaining project record drawings (red lines) for submittal to the County;
- reporting daily activities by providing daily reports on the contractors activities (work performed, weather, equipment, conversations, Q/A testing) to the County; and
- measuring and quantifying work items.

CONTACT:

Ms. Betsy Thorpe
Chief of Construction Management
Leon County
2280 Miccosukee Road
Tallahassee, Florida 32308
Phone: (850) 606-1500





2. Provide names and descriptions of projects for which the firm is presently under contract that demonstrate capabilities and qualifications for this work category.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

3. Describe the Firm/Joint Venture's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for this Work Category.

Your projects require a significant investment, so delivering value through quality assurance and construction inspection services is vital to realizing the returns you require. LPA's trained and experienced inspectors and field personnel fully understand construction operations and design drawings and the importance of the owner's investment. Our inspectors will verify that the contractor is performing in accordance with the contract documents and that construction follows guides and specifications, regulations, and standards for safe efficient operations. By being mindful of the nuts and bolts of a project while seeing the big picture, LPA's on site construction inspection services will also evaluate progress versus schedule and bring value through careful documentation to verify quality of work, required testing, coordination with local agencies, and perform final inspection and close-out tasks.

COST ESTIMATING

Cost and time are the main drivers of any project. At LPA, our professional estimators understand how to build projects. This knowledge is invaluable in identifying and predicting costs throughout the project. By managing and monitoring project costs from day one, we allow you to better plan, program, acquire, and manage your budget, while adding real value to your project. LPA's breadth of resources, including affiliations with contractors and contractor associations, helps us to better provide estimating services at any stage of the design and construction process. We utilize proven, documented, unit price databases, both internal and published. Escalation is managed through the use of multiple historical indices, monitoring current material and labor trends, and tracking industry market indicators. We bring these resources to related services such as life cycle costing, value engineering, and analysis of changes and claims, as well.

SCHEDULING

LPA's scheduling resources provide schedule development, updating, and monitoring in project design development, as well as helping our clients to accurately predict construction contract durations. With our scheduling software and expertise, a Critical Path Method (CPM) construction schedule can be developed at any time from project concept through final design. This tool



allows us to keep the client informed on progress and the schedule effects of a client change consideration before a decision must be made. In addition, LPA's CPM staff is capable of reviewing and monitoring contractor's schedules as proposed and during construction. LPA's schedulers have the knowledge and foresight to look deep into underlying schedule logic to assure the client that the contractor can meet contract requirements and identify problems at the earliest stage possible, preventing potential delays and claims. LPA's professionals have the expertise, training, and experience to offer innovative solutions to scheduling and coordination. Our scheduling services minimize costs, delays, and claims and deliver projects to successful, on-time completion.

CONSTRUCTABILITY REVIEW

From the availability in manufacturing of a critical piece of equipment, to the shipping options which may be utilized to deliver it to the site; from the possible methods of installation or erection available to the effects of those methods on the adjacent facility; from the path of access required for the largest girder to the types of fasteners best suited to the connections, our constructability reviews provide a complete examination of a project before the trailers are delivered to the site. We comb through the design documents to remove redundancies which may lead to inflated pricing and to ensure completeness and seamless coordination of all the various trades and/or prime contractors to avoid claims. LPA draws from a large pool of in-house experienced design and construction professionals to deliver this valuable service specific to your project. We offer this service at any level of detail and at any phase of design for our projects including highways, bridges, transit, aviation, utility, building and other facilities. Our constructability reviews allow you to anticipate and avoid problems and prepare you for a successful construction phase.

COMMISSIONING

With today's increased focus on efficiency and sustainability, it is vitally important that a project's myriad, inter-related systems function as they are intended. The requirements of LEED certification also require a significant focus on the Commissioning process. LPA's commissioning professionals make sure that your project is up and running properly from Day 1. Our aim is to provide turn-key delivery and allow your facility to reach its maximum potential.

DISPUTE RESOLUTION

The best method of dispute resolution will always be avoidance. However, the need to mitigate claims and resolve disputes is the reality of many construction projects today. LPA's experience in Dispute Resolution qualifies us to protect your interests before, during and after the construction process. Our professionals offer the support that you need if involved in a claim or dispute. If necessary, LPA can assist the client's legal representative through all forms of construction and design forensic case development, including providing expert witness testimony.

SAFETY

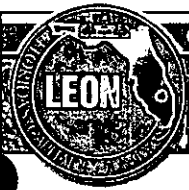
Safety is one of LPA's core values and is communicated through our Health and Safety Policy. Safety is paramount to the success of your projects. With a superior safety record (OSHA safety performance well below the industry average), LPA knows the importance of providing for a safe and productive work environment. LPA's safety awareness program provides our personnel a vital complement to their experiences and competencies. In service to our clients and employees, safety is always on the top of our list. Each LPA employee works to assure that everyone is able to go home safely at the end of the day.

4. Describe basic and special resources available to the firm for the performance of the duties that may be assigned in this work category. Examples would be specialty software, equipment, computers, vehicles, etc.

AVAILABLE RESOURCES

THE LPA GROUP INCORPORATED is pre-qualified with the FDOT in Construction Engineering and Inspection Services in Group 10, sections:

- 10.1 – Roadway Construction Engineering Inspection
- 10.3 – Construction Materials Inspection
- 10.4 – Minor Bridge & Miscellaneous Structures CEI



Equipment: Survey equipment, smart levels, digital measuring devices, asphalt temperature gauges, and other Quality Assurance devices, digital cameras, field books/diaries, vehicles, and all necessary Quality Assurance tools and facilities

Computers: Laptop computers issued for field personnel

Software: Administration: Microsoft Word, Microsoft Excel, Microsoft Project, Adobe, SureTrak
CAD: Bentley MicroStation – V8i (Select Series 2), Bentley GEOPAK Suite – (Select Series 2 with Roadway Designer), AutoDesk AutoCAD – 2011, AutoDesk Civil 3D – 2011



C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Given the fiscal constraints of local governments, and Leon County in particular, all budget requirements for projects to be assigned must be met. Describe your methodology for ensuring the schedule is met and for ensuring budget requirements are not exceeded.

MANAGEMENT METHODS

Schedule Control

The ability to meet project schedules is a vital part of the success of the projects that THE LPA GROUP takes very seriously. The County may have construction money tied to the design schedule and that money may be grant funded with time restrictions. A realistic resource loaded project schedule is developed and discussed at the onset of each Task Assignment with the County. Our schedule will identify the critical path items and set milestones for the successful completion of the project. Project resources are identified, made a part of the schedule and committed for the duration of the project.

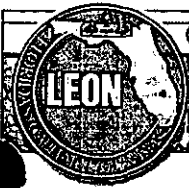
Once the schedule has been set, our Project Managers track the schedule on a regular basis to monitor our progress. LPA's senior design and management Staff participates in a weekly production meeting to report on progress, staffing needs, design issues, schedule, budget and quality. These meetings have proven to be a successful tool to maintaining adequate staffing needs on each project, keeping projects on budget and holding the Project Manager accountable for successful progress. By tracking progress on a regular basis, LPA is able to implement a corrective action plan early to prevent costly delays or errors.

LPA's Project Managers provide each client with a monthly progress report documenting the monthly achievements. A typical progress report will provide a summary of the past month's activities, list of next month's activities, summary of action items accomplished last month and action items to be completed next month, along with who is responsible for each item.

Construction Cost Controls

Meeting the project's budget always starts with an initial assessment of the scope and funds available. This is done via in-house preliminary cost analysis at the schematic level, by staff with over 29 years of construction management and estimating experience. At the design development stage, a detailed take-off and estimate is created. This is reviewed with the Project Manager to assure that all scope items are addressed. If there are any budget issues, we work with the owner to develop cost savings ideas to rectify the problem. These will cover the full range of issues, including materials, details, scope and schedule.

Once an answer has been reached, we implement the solutions during the construction documents phase. The budget is updated approximately half way through this process. This is also where contact is made with local contractors to discuss the project, its scope and schedule and local workload. Included in this is a discussion of any specialty trades that may be required. The information gleaned from this process is then incorporated into the final documents. We will include additive alternates in the bid to assure that we can award the project.



D. EFFECT OF FIRM'S RECENT, CURRENT AND PROJECTED WORKLOAD

1. Provide names and descriptions of projects for which the firm is presently under contract and the anticipated completion dates of those projects.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

2. Describe the firm's ability to absorb any projects resulting from this contract.

THE LPA GROUP is committed and available to provide engineering services for any assignment under this contract. LPA has the management tools in place to anticipate upcoming assignments and to assign appropriate staff to complete projects within approved schedules and on or under budget. Specifically, The LPA Team will provide Leon County with the following for these assignments:

FULL SERVICE CAPABILITIES

THE LPA GROUP INCORPORATED is fully capable of acting as an extension of the County's staff to administer all required engineering design services for the preparation of plans and specifications meeting the County's requirements. LPA's transportation experience encompasses a broad range of projects with variable complexities, including minor projects such as roadway milling and resurfacing and stormwater modeling. Major projects include the construction of limited access highways, interchange modifications, and complex bridge designs. The following is a list of LPA's pre-qualification work classes for the Florida Department of Transportation:

- 2.0 Project Development and Environmental Studies
- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Complex Highway Design
- 4.1 Minor Bridge Design
- 4.2 Major Bridge Design



- 5.1 Conventional Bridge Inspection
- 5.3 Complex Bridge Inspection
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3 Traffic Control Systems Analysis, Design, and Implementation
- 7.1 Signing, Pavement Marking and Channelization
- 7.3 Signalization
- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI
- 13.4 Systems Planning
- 13.5 Sub Area/Corridor Planning
- 13.6 Land Planning/Engineering

FAMILIARITY WITH PROJECT

LPA's key personnel have been involved with numerous projects similar to what may be assigned under this contract. We feel we have a clear understanding of the scope of the variety of these projects and can meet all of the County's needs. For a detailed description of our approaches and understandings, see the Section titled "*F. Approach to the Project.*"

ABILITY TO MEET DEADLINES

The Firm has a proven track record in performing and meeting tight schedules. We fully understand that this is a high priority item with clients; therefore, we will meet all deadlines established for your projects. Our past successful experience with On-Call design services is a proven record of our commitment to meet deadlines.

WORK LOAD

The current and projected work commitments for the professional, technical, and supporting staff of LPA are low with respect to the capabilities of the staff to effectively prosecute additional work commitments. We are prepared to begin work on your projects immediately.

PROFESSIONAL INTEGRITY

LPA has been retained by municipalities throughout the United States to provide transportation consulting services. Many of these Clients are repeat clients who demand the utmost in professional integrity and competence from their transportation consultant.

E. EFFECT OF PROJECT TEAM LOCATION

Provide the location of where the project team will predominately reside to conduct the majority of work. If located out of the region, describe the plan for ensuring community involvement and on-site visits.

For this project, LPA will be providing project management and construction engineering inspection services from our Tallahassee office. We feel having the project coordinated from Tallahassee provides Leon County with the most responsive coordination possible, as we can be at the project site or meet with the County within thirty minutes.

AVAILABILITY OF KEY PERSONNEL

Like all consulting engineering firms, our professional staff manage and work on multiple projects; however, the LPA Team has the resources readily available to meet the needs of your project. We are committed to provide the necessary resources to meet the schedule.

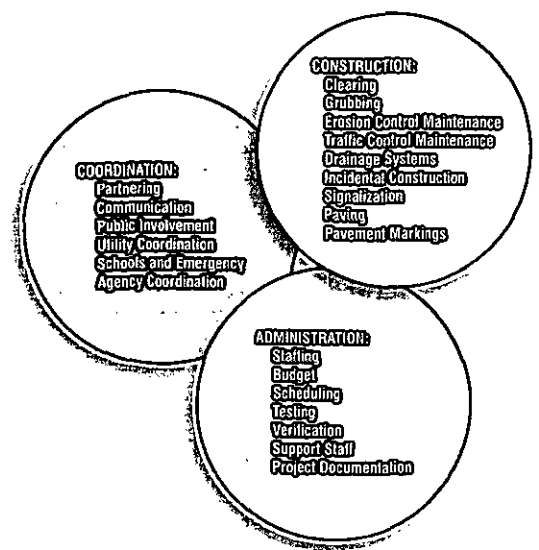
COMMUNICATION

Communication is a key element on any successful project. Our Team will conduct regularly scheduled Project Coordination Meetings with Leon County to provide all pertinent information including but not limited to construction operations, construction progress, proposed schedules, field issues, documentation, progress payments, traffic concerns, utility relocations, community involvement, and all other information to keep the County well informed. Each meeting will have an agenda and meeting documentation to include decisions made, progress since last meeting, planned activities for the upcoming week, project updates, and a list of action items. As mentioned previously, these project management practices represent proven methods for successful project delivery on time and within budget.

In addition to the weekly scheduled meetings with the County, our project Team will conduct regular meetings with the contractor and utility representatives to review tasks at hand, discuss concerns, testing/inspection needs, and coordination between stakeholders. These meetings will help identify needs early and resolutions developed quickly and efficiently. We will also conduct "pre-phase" meetings as operations permit to address concerns prior to performing critical items such as traffic shifts, lane closures, asphalt operations, etc.

Our Team will constantly monitor concerns of surrounding property owners, businesses, schools, and impacts to traffic will be addressed immediately prior to developing into problems.

Good communication is the primary element in building a strong "team spirit" for all stakeholders encompassed and affected by a project. Public involvement educates the local community of the on-going construction operations resulting in a positive perception of the County's efforts to improve its infrastructure.





F. APPROACH TO THE PROJECT

Present in brief, concise terms, a summary level description of the company's approach to accepting and completing any specific projects assigned under this contract.

THE LPA GROUP INCORPORATED will assist the County with project management of the construction contract(s) involving construction engineering and inspection, as well as conducting the Quality Assurance testing and inspection assistance for the projects. LPA's designated Project Manager, Michael Schwier will assist the County in managing the construction of the projects. Mr. Schwier will perform general coordination with the County, Utilities, FDOT, City, Permitting Agencies, and the Contractor to ensure that the construction process advances with avoidable delays. The Construction Manager, Henri Burton, will serve as a liaison to the Project Manager, the Contractor, and the Inspector. The LPA team will monitor the Contractor's progress; ensure Contractor's compliance with the plans, specifications, and County's requirements, and will:

- Prepare for and attend the Pre-Construction Conference;
- Review shop drawings;
- Review pay applications, Davis Bacon Compliance, schedules, EEO reports, certified payrolls and M/WBE expenditure reports;
- Oversee and manage Inspectors;
- Administer and review Quality Assurance test results;
- Make site visits as determined necessary;
- Review and respond to Request for Information (RFIs);
- Review change orders, if necessary;
- Perform final inspection;
- Review record drawings prepared by the Contractor and submit them to the County;
- Review contract closeout documents submitted by the Contractor;
- Prepare MBE reporting form; and
- Submit final reports.

The LPA Team will also include a competent Resident Inspector Phil Banta, who will assist the Project Manager in ensuring a high-quality construction product, completed within the contract schedule and budget. Resident Inspection services can be either full-time or part-time, depending on the complexity of the project and the County's needs. The Inspector's duties during construction are to observe the Contractor's daily operations. The Inspector shall:

- Coordinate the Quality Assurance testing;
- Inspect the work to verify it is in accordance with the plans and specifications;
- Coordinate Contractor's activities with local residents;
- Serve as a direct liaison between the Contractor and the Construction Manager, Henri Burton;
- Maintain project records for submittal to the County;
- Evaluate Contractor's maintenance of traffic techniques;
- Assure NPDES permit compliance; and
- Keep residents informed and aware of project activities.

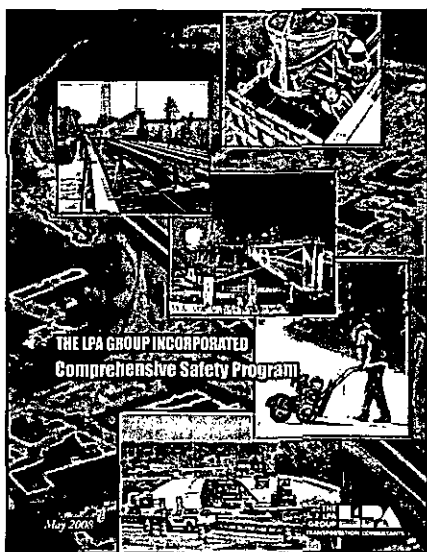
THE LPA GROUP also has the ability to provide bidding services for the County if needed or desired. The bid process assistance LPA can provide is as follows:

- Prepare for and attend the Pre-Bid Conference;
- Prepare any addenda as necessary;

- Respond to requests for information (RFIs);
- Attend the bid opening;
- Assist the County in tabulating and evaluating bids;
- Assist in the contract award and preparation of construction contract documents; and
- Contact local contractors to make them aware of the Invitation for Bid.

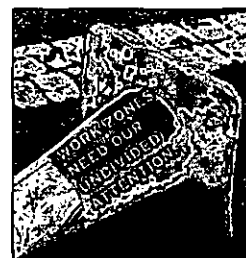
LPA's Construction Management Team will ensure that all work and contractual requirements will be performed in accordance with Leon County regulations. The construction for all projects will be in accordance with FDOT Standard Specifications for Road and Bridge Construction, 2010.

PROJECT SAFETY



The need to improve our infrastructure often brings the danger associated with maintaining vehicular traffic in close proximity to the construction and the various personnel within the work zone. Many of our field personnel have experience in night work and high frequency traffic rehabilitation, and they understand the importance of safety to help ensure a safe work zone for their fellow co-workers, the contractor, the traveling public, and pedestrian traffic. Most all of our inspection staff have attended courses by either ATSSA or ITRE Work Zone training.

LPA's field personnel combine good safety and quality practices into their work. Most construction firms manage quality and safety as two independent programs. Integration of quality and safety into a single program streamlines operations and create synergies that improve results. From a management and control perspective, there are similarities between quality and safety programs. Both programs ensure work is done the right way from their standpoint. Each program has a system of performance standards, verifications, and



corrective actions. There is an opportunity to capitalize on the similarities.



LPA's philosophy is to expand quality inspection procedures to encompass safety concerns. We have adjusted existing inspection procedures to track and record the presence of trained personnel, the use of safety equipment, compliance with worksite rules, and work conditions. For longer term assignments, each month a meeting with all inspection staff will be held at the project. The agenda will focus on High Risk activities for the next 30 days. The process encourages discussion among the attendees to identify hazards and agree on a course of action to protect employees from harm. This precise method for the safe planning and execution of the work will be LPA's primary objective for the project. Daily safety meetings will also be conducted on-site to discuss safety issues and concerns and to discuss new or first time operations. These daily safety discussions also identify the hazards and corresponding required safe behaviors.

In addition to the above, our Construction Manager - Henri Burton, will make numerous visits, both planned as well as spontaneously, to verify our staff are working in a safe manner, utilizing the proper safety equipment, provide replacement equipment if deemed unacceptable, provide training and perform regular audits.

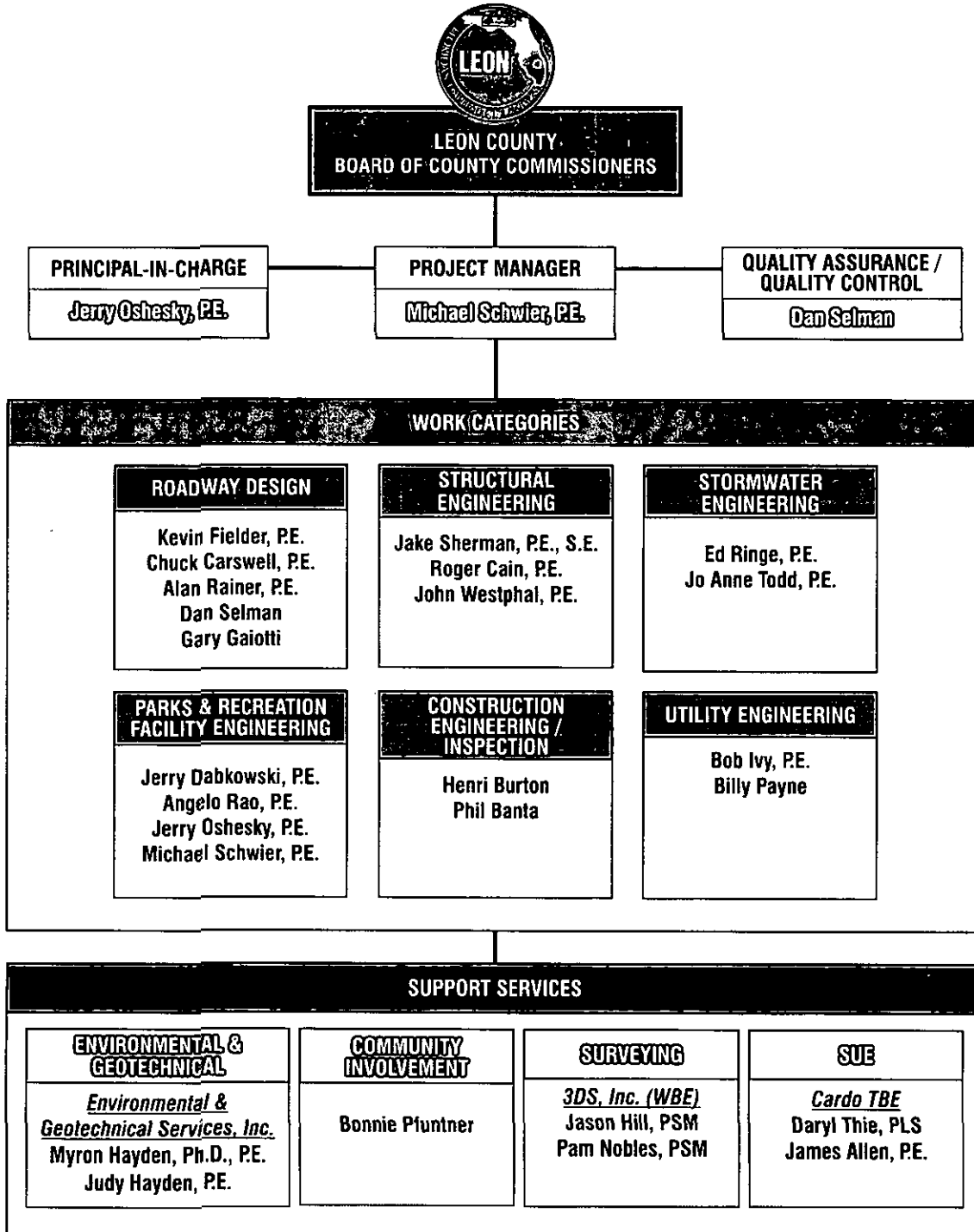
Our Team will be provided with all the necessary PPE and associated training to deal with possible safety incidents. To better serve the County, all of our project's staff have completed courses with OSHA.

Through education, awareness, and enforcement we strive to maintain an accident free work zone!



A. ABILITY OF PROFESSIONAL PERSONNEL

1. Provide the total number of professionals in your organization who may be assigned to this category of project and their availability to provide services on relatively short notice for the small to medium size projects that are contemplated in this contract.





Work Category	Personnel	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12
Stormwater Engineering	Ed Ringe, P.E.	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%	60%
Stormwater Engineering	Jo Anne Todd, P.E.	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Dan Selman	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Kevin Fielder, P.E.	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Chuck Carswell, P.E.	40%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Alan Rainer, P.E.	20%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Roadway Design	Gary Gaiotti	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Structural Engineering	Jake Sherman, P.E., S.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	Roger Cain, P.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Structural Engineering	John Westphal, P.E.	30%	30%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Henri Burton	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
CEI	Phil Banta	10%	10%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Jerry Dabkowski, P.E.	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Parks & Recreation	Angelo Rao, P.E.	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Parks & Recreation	Jerry Oshesky, P.E.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Parks & Recreation	Michael Schwier, P.E.	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Utility Engineering	Billy Payne	80%	80%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Utility Engineering	Bob Ivy, P.E.	50%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Community Involvement	Bonnie Pfuntner	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%

2. Give brief resume of key persons to be assigned to the project, including but not limited to: 1) Name & title 2) Job assignment for other projects 3) How many years with this firm 4) How many years with other firms 5) Experience a) Types of projects b) Size of projects (dollar value and scope of project) c) What was the specific project involvement? 6) Education 7) Active registration 8) Other experience and qualifications relevant to this project.

The resumes can be found on the following pages.

QUALIFICATIONS:

B.S., Civil Engineering, 1964
West Virginia University

B.S., 1962
Davis & Elkins College, Elkins, West Virginia

REGISTRATION:

Professional Engineer (FL #13580)

PROFESSIONAL EXPERIENCE:

1964 - 2011 (Career)

2003 - 2011 (LPA)

Senior Drainage Engineer
THE LPA GROUP INCORPORATED

Mr. Ringe specializes in roadway and storm drainage design, bridge hydraulics design, stormwater management systems and stormwater master plans. During a career that spans over 45 years, Mr. Ringe's experience includes roadway and drainage design from 3-R multi-lane reconstruction to limited access projects, drainage studies and remediation design, stormwater management design and master planning and post-design construction services enhanced by a background in roadway construction, materials testing, precast and prestress concrete inspection. As a senior drainage engineer and diverse background, Mr. Ringe is able to provide outstanding QC expertise.

Following 30 years of progressively responsible service with the Florida Department of Transportation from June 1964 - June 1994, Mr. Ringe has continued his career in the private sector by providing senior stormwater management, and drainage design and quality assurance services on many FDOT, County and Municipal projects.

LPA project experience:

Mr. Ringe has been responsible for stormwater/hydraulic design, and highway design support on:

AREAS OF EXPERTISE:

- **Roadway Design**
- **Bridge Hydraulics Design**
- **Stormwater Management Systems**

Holmes County Bridge Replacement Project for FDOT District Three – Sr. Drainage Engineer for replacement of one-lane timber bridges with bridge culverts on Corinth Road over Otter Creek and Bonifay-Chipley Road over Camp Branch.

SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Sr. Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.

SR 61 from Lost Creek Bridge to US 98, in Wakulla County for FDOT District Three – Bridge Hydraulics, Drainage Design and Permitting for four mile widening and realignment from two-lane rural to four-lane urban with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement.

SR 10 (US 90) Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, in Leon County for FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

SR 20 (US 27) from Leon Co. Line to Waukeenah in Jefferson County for FDOT District Three – Milling and resurfacing of a 13 mile segment of a four-lane rural roadway including evaluation and recommendations of all existing drainage facilities for serviceability and function.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Agricultural Interdiction Station on I-95 in Nassau County for FDOT District Two – Drainage design and permitting for site expansion of existing facility including interstate ramp widening.
- Agricultural Interdiction Station on I-10 in Escambia County for FDOT District Three.
- Blueprint 2000 (a City of Tallahassee/Leon County joint agency): Ed provided technical development of the Blueprint 2000 stormwater technical specifications and standards and project concept reports. He also provided technical review support on proposals for three segments of the Capital Circle projects totaling eight miles. These projects were for the reconstruction of the two-lane rural truck route around Tallahassee to a six-lane urban curb and gutter roadway, including sidewalks and a meandering trail using both design/bid/build and design/build contract formats. Ed also served as the GEC Project Manager on the first Capital Cascades Trail Master Plan project, and remains the hydrologic technical advisor for the Capital Cascade Trail project. Capital Cascade Trail is a 4+ mile restoration of the St. Augustine Branch from a ditch to a linear trail and improved conveyance system to address stormwater treatment and attenuation facilities to reduce flooding in downtown Tallahassee. Ed is also responsible for stormwater management and drainage design review for the other Blueprint 2000 projects as an on-call staff member of the GEC.
- John James Audubon Bridge, Louisiana (2004 - Present): Ed Ringe acted as an owner's representative in the development of the Hydrology (roadway drainage) technical specifications for the Louisiana Timed Managers (LTM) on the J.J Audubon Bridge project. LTM is the GEC for the Louisiana Department of Transportation and Development (LDOTD). J.J.Audubon Bridge is a 1583' cable-stayed bridge structure over the Mississippi River, over 12,000 linear feet of approach bridge structures and over 12 miles of new roadways, connect US 61 in West Feliciana Parish, LA to LA Route 10 in Pointe Coupee, LA. Approaches to the main bridge, as well as various bridges along the alignment consist of conventional steel and concrete girder structures. Ed subsequently served on the technical evaluation committee for the approach roadway and drainage component and also on the main channel structure scour technical proposal evaluation. The project technical specifications allowed the use of the FDOT scour equations and procedures for complex piers on all bridge structures.

Project experience prior to LPA:

As Senior Stormwater Engineer, Mr. Ringe has been responsible for the stormwater/hydraulic design on numerous major public work projects for FDOT:

- FDOT, Hopkins Creek Design Build District 2 (Design Project Manager)
- FDOT, US 98, Bay County – 3-level phased interchange at Thomas Drive
- FDOT, SR 79, Bay County, 3 projects – 2 to 4-lane reconstruction - 17 miles
- FDOT, SR 202, Duval County – 4 to 6-lane reconstruction - 5 miles on site Stormwater treatment
- FDOT, I-75, Hamilton County – 4 to 6-lane reconstruction - 28 miles
- FDOT, SR 261, Leon County – 2-lane RRR project - 4 miles
- FDOT, SR 16, St. John County – 4-lane reconstruction and bridge replacement

QUALIFICATIONS:

REGISTRATION:

**PROFESSIONAL
EXPERIENCE:**

AREAS OF EXPERTISE:

- *Stormwater Design*
- *Stormwater Master Plans*
- *Permitting*

B.S., Civil Engineering, 1981
University of Alabama

Professional Engineer (FL #38850)

1981 - 2011 (Career)
2005 - 2011 (LPA)

Stormwater Engineer
THE LPA GROUP INCORPORATED

Ms. Todd specializes in the design of stormwater management systems.

LPA project experience includes:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Drainage Engineer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Pensacola Regional Airport Rental Car Facility – Stormwater design and permitting.
- SR 61 from Lost Creek Bridge to US 98 – Wakulla County, Florida, FDOT District Three – 4.1-mile widening and realignment from two-lane rural to four-lane urban and suburban roadway with curb and gutter bicycle lanes, sidewalks, including a 270' bridge replacement and stormwater design.
- SR 10 (US 90 Drive) from Dempsey Mayo to four-lane at I-10 interchange – Leon County, FDOT District Three – Reconstruction of a three-mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks that also included stormwater design and permitting.
- SR 30 (US 98) over Bayou Chico; Escambia County, Florida – Stormwater design, Bridge Hydraulic Report and permitting for a bridge replacement and roadway improvements.
- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Subconsultant role for the design and permitting of drainage and stormwater facilities on roadway widening from five lanes to seven lanes.
- City of Tallahassee, Tallahassee Regional Airport – SIS Connectors – Performed drainage design services in widening turn lanes, drainage improvements, and access management – 1.35 miles.
- Northwest Florida Regional Airport Rental Car Facility – Stormwater design and permitting.
- Agricultural Interdiction Station on I-95, Nassau County, FDOT District Two – Site expansion of existing facility including interstate ramp widening and stormwater design and permitting.

Project experience prior to joining LPA includes:

- SR 202 (J.T. Butler Boulevard), FDOT, Duval County – Project Engineer for the design, permit drainage and stormwater facilities on roadway widening from five lanes to seven lanes.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Parker Master Plan and Inventory, Parker, Florida – Consultant on this project to inventory all drainage structures and pipes 18" and larger within the city. The project also included establishing watersheds and developing a Stormwater Master Plan for the city, including conceptual plans for budget and priority planning.
- Parker Bayou North Watershed, Parker, Florida – Consultant on the design and permit construction plans to implement improvements on this watershed.
- Martin Lake South Watershed Implementation Project, Parker, Florida – Designed and developed construction plans to address water quality and flooding issues within this watershed and for the stormwater management facilities and conveyance improvements for the PEEP Park project within the watershed.
- Callaway Stormwater Master Plan, Callaway, Florida – Stormwater facility inventory and watershed analysis.
- Stormwater Improvement Projects: Plantation Way; Donna Avenue / Howard Road; Chico Lane / Hugh Thomas Drive; and LaCosta Avenue, Callaway, Florida – Evaluated drainage problem areas which were causing flooding and related pavement problems. Developed design and construction plans to correct the identified problems.
- SR 16, FDOT, St. Johns County – Project involved a four-lane reconstruction with curb and gutter, including a bridge replacement. Project Engineer on the design and permit construction plans for a stormwater treatment system.
- I-75, FDOT, Hamilton County – Project Engineer on drainage redesign and roadway widening from four lanes to six lanes involving 28 miles of Interstate 75.
- SR 261, FDOT, Leon County – Project Engineer on resurfacing, reconstruction, and rehabilitation including drainage design.

PROFESSIONAL EXPERIENCE:

1977 - 2011 (Career)
 2002 - 2011 (LPA)

Project Manager
THE LPA GROUP INCORPORATED

Dan has over 33 years of engineering experience in virtually all disciplines of Highway Engineering including GEC Contract Management, Roadway Design, Surveying and Construction Management. Dan provides technical expertise and Quality Assurance and Quality Control for LPA's FDOT projects. Dan has served as Project Manager and Senior Designer on several FDOT widening and milling and resurfacing, reconstruction and realignment projects. The table below lists some of those projects and the grades each one received.

Project / District	Components	Final Grades
US 27 (SR 20)	7 miles of resurfacing	Quality 4.0 (new grading system)
I-75 widening projects D2	30 miles of resurfacing, widening and safety modification	Design 92 Construction 100
SR 16 Lewis Speedway to CSX RR / D2	New alignment 4-lane urban	Design 94 Construction 100
SR 263 at US 27	Intersection improvements/ right turn lane design	Design 95 Construction 97
SR 263 NW resurfacing D3	2.5 miles of resurfacing, safety modifications and stormwater improvements	Design 92 Construction 94

AREAS OF EXPERTISE:

- Project Management
- Program Management
- CEI Services
- Roadway Design
- Surveys

LPA project experience includes:

- Neighborhood Enhancement Program for City of Tallahassee – Project Manager for GEC contract, included consultant project management, plans review, contract administration and preparation of scope documents.
- SR 128 from Lane Ave. to Cassett Ave. in Duval County for FDOT District Two – Quality Assurance/Quality Control Manager for milling and resurfacing of a one mile segment of four-lane urban roadway with curb and gutter and sidewalks.
- Olustee Creek Crossing in Union County for FDOT District Two - Project Engineer for milling and resurfacing of one mile of 2-lane rural highway.
- SR 20 (US 27) in Jefferson County for FDOT District Three – Project Engineer for seven miles of resurfacing of 4-lane divided rural highway.
- Turnbull Creek Bridge Replacement in Volusia County for FDOT District Five – Project Engineer for roadway reconstruction. Duties included maintenance of traffic design, signing and pavement marking design for approaches and temporary bridge.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Quality Assurance/Quality Control Manager for milling and resurfacing of one-mile segment of four-lane urban roadway. Prepared ADA Report for existing sidewalk, including ramp, driveway and cross slope analysis.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- SR 8 (I-10) at SR 95 (US 29) Post Design Services in Escambia County for FDOT District Three – Project Engineer for widening of off-ramp, and frontage road to serve businesses.

Mr. Selman's experience while with other firms includes the following:

- Project Engineer (Design) and Project Manager for all phases of design and management for FDOT and County highway facilities. Duties included design conformance assurance with AASHTO and FDOT criteria, initiated TCP concepts, permitting, providing subconsultant coordination, and directed survey activities. Quality control team leader for all phase reviews.
- Project Engineer CEI - Responsible for contract administration of multiple projects for I-595 system. Duties included coordination between prime contractor and utility owners, weekly progress meetings, coordinated design changes and provided technical details, prepared supplemental agreements and change orders, prepared weekly summaries and monthly estimates, directed survey crews on pre and post construction requirements and performed horizontal and vertical control survey verification.
- CEI Advisory Member - Provided technical assistance for CEI teams statewide. Duties included specification and special provision interpretation, claims review and analysis.
- Assistant Survey Project Manager - Responsible for administration of Districtwide design and right-of-way surveys and miscellaneous County, City and private surveys.
- Project Manager and Senior Project Design Engineer for the following projects:
 - SR-263, Leon County - 4 miles widening, resurfacing, and intersection improvements. Received a final design score of 93 and a final construction score of 94.
 - SR-263 at SR-63, Leon County - Intersection improvement including right turn lane, access management and CAP Plan. Received final design score of 95. Final construction score of 96.
 - FDOT District Three I-10 Welcome Center.
 - I-75 Hamilton County - 30 miles 6 laning including bridge widening and safety modifications. Project was phased into three, ten-mile construction contracts. Received a final design score of 92 and a final construction score of 100 on all three projects.
 - I-75 Hamilton County - 9 miles milling and resurfacing.
 - I-75, Alachua County - Redesign interchange high mast lighting.
 - SR-16, St. Johns County - Realignment, 4 lane rural to 4 lane urban including new bridge structure and intersection improvement. Received a final design score of 94 and final construction score of 100.
 - I-75, Hamilton County - High mast lighting for SR-51 and SR-143 interchanges.
 - Turnpike, St. Lucie County - Bridge and roadway widening with safety improvements.
 - I-75, Hamilton County - Alternate interchange design concepts including additional LA right-of-way requirements, frontage road design and construction estimates.
 - Lee, Hendry and Hardee County - Miscellaneous City and County street new alignment and 3R related projects.
 - A1A, St. Johns County - Reconstruction of 2 lane rural to 4 lane urban section.
 - SR-12, Gadsden County - Widening, resurfacing and safety improvements.
 - District 3 - Miscellaneous design services.

QUALIFICATIONS:

M.S., Civil Engineering (Transportation), 2004
University of Tennessee - Knoxville

B.S., Civil Engineering Technology, 2003
Southern Polytechnic State University

REGISTRATION:

Professional Engineer (FL #70867)

PROFESSIONAL EXPERIENCE:

1998 - 2011 (Career)
2007 - 2011 (LPA)

Design Engineer
THE LPA GROUP INCORPORATED

LPA experience includes:

AREAS OF EXPERTISE:

- **Transportation Design**
- **Horizontal / Vertical Alignments**
- **Concept Layouts**
- **CAD Drafting**

- SR 128 Milling and Resurfacing, Duval County, FL - This project involves the milling and resurfacing of a five-lane roadway for the Florida Department of Transportation. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. Serving as design engineer responsible for pavement design, plans production, ADA coordination, utility coordination, quantities and computation book preparation, specifications package and electronic submittal.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the City of Valdosta, GA. Serving as design engineer responsible for concept development, geometric design, pavement design, plans production, drainage design, quantity calculations and bid package preparation.
- DeFuniak Springs Bypass Feasibility Study, Walton County, FL. This project involves the preparation of a feasibility study for a 10-mile multi-lane bypass around Defuniak Springs. Currently two corridors are under consideration for this bypass. Serving as design engineer responsible for conceptual alignments and public information displays.
- I-75 at SR 31 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing two-lane rural roadway will be widened to a 4-lane urban section with bike lanes, curb and gutter, and sidewalks. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.
- I-75 at SR 133 Conceptual Phase, Lowndes County, GA. This project for the Georgia Department of Transportation is currently in the concept phase and involves improvements to the existing interchange including a replacement bridge and mainline/ramp widening. The existing 5-lane urban roadway will be widened to a 6-lane urban section with bike lanes with the addition of bike lanes to the mainline. Serving as design engineer responsible for horizontal/vertical alignments, concept layout preparation, public information displays, and coordination with archaeological, historical and environmental surveys.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- I-95 at SR 251, McIntosh County, GA. This project for the Georgia Department of Transportation involves improvements to the existing interchange including a replacement bridge, reconstructed mainline with asphalt and concrete pavement, and reconstructed concrete ramps with additional turn lanes to improve the overall level of service for the interchange. Serving as design engineer responsible for horizontal/vertical alignments, plan preparation/coordination, maintenance of traffic, and right of way plans.

Work experience prior to joining LPA:

- August 2005 to 2007 – University of North Florida, Jacksonville, Florida – Adjunct Faculty, College of Computing, Engineering and Construction.
- January 2005 to 2007 – Post, Buckley, Schuh and Jernigan, Jacksonville, Florida – Engineer II, Transportation Design Group
 - North Thomas / South Thomas Drive, Panama City Beach Florida. This project for the Community Redevelopment Agency (CRA) involved the widening and realignment of an existing two-lane roadway corridor to a four-lane divided urban section including a dedicated Tram lane. Served as design engineer responsible for horizontal/vertical alignments, maintenance of traffic and utility coordination.
 - Capital Circle Southeast, Tallahassee, Florida. This design-build project for the City of Tallahassee/Leon County Blueprint 2000 agency involved the realignment and reconstruction of a portion of the project bypass around Tallahassee. Served as design engineer responsible for maintenance of traffic plans which include phasing, traffic shifts, and temporary signals.
 - Churchwell Drive, Panama City Beach, Florida. The project for the Community Redevelopment Agency (CRA) involved the realignment and widening of an existing two-lane roadway and bridge. Efforts included coordinating the roadway design portion with an existing set of designed permitted bridge plans. Served as design engineer responsible for horizontal vertical alignments, maintenance of traffic, quantities and construction specifications.
- August 2003 to December 2004 – Southeastern Transportation Research Center, Knoxville, Tennessee – Research Assistant. Research involved updating TDOT planning software (EVE) with social and economic factors to calculate Benefit/Cost ratios for transportation projects.
- August 2002 to August 2003 – Arcadis, Atlanta, Georgia – CAD Technician. CAD drafting and quantity calculations for transportation projects including rural/urban highways, interstates and railroad grade crossing.
- February 1998 to August 2000 and June 2002 to August 2002 – Houston County Public Works Department, Perry, Georgia – Engineering Technician/Field Engineer. CAD drafting, basic roadway/intersection design including geometrics, drainage, signing and marking, quantity calculations, small crew supervision, storm drain system inspections and roadway base/sub-base proof tests.

QUALIFICATIONS:

Bachelor of Civil Engineering, March 1981
Georgia Institute of Technology, Atlanta, GA

REGISTRATION:

Professional Engineer (FL # 56119)

**PROFESSIONAL
EXPERIENCE:**

1981 - 2011 (Career)
2010 - 2011 (LPA)

**Roadway Engineer
THE LPA GROUP INCORPORATED**

Mr. Carswell, P.E. has over 30 years of construction, design and project management experience in the areas of bridge and roadway construction, and transportation engineering. He has experience in horizontal and vertical geometry design, intersection design, pavement design, quantities computation, construction cost estimates, maintenance of traffic, specifications and bid documents, and utility coordination.

Project experience prior to joining LPA includes:

AREAS OF EXPERTISE:

- Program and Project Management
- Construction Management
- Cost Estimates
- Utility Coordination

- SR 69 – FDOT District 3 – Jackson County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for eight miles of SR 69 for the Calhoun County line to north of SR 10 (US 90). The project consists of milling and resurfacing the existing two-lane rural roadway, addition of turn lanes and a signal at the SR 10 intersection, drainage conveyance improvements in the Town of Grand Ridge, and utility coordination and adjustment plans. Construction is anticipated to be completed in 2011.
- Lake Emma Road – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Lake Emma Road from a rural two-lane to urban four-lane section from Longwood Hills Road to Sand Pond Boulevard in a heavily developed residential area. The project corridor runs through rolling terrain and the vertical alignment design was a challenge to provide sufficient vertical curve lengths for the design speed while keeping construction within the 100-foot right-of-way and limiting impacts to existing subdivision walls and adjacent development and design of gravity walls. The project included four signalized intersections, numerous driveway connections, utility coordination, adjustment plans, new utility plans for water and sewer, and seven stormwater retention ponds and drainage conveyance, as well as lift station access pull off lane and associated retaining wall. Construction is anticipated to be completed in 2011.
- SR 742 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications for .5 miles of SR 742 (Creighton Road) at the intersection of Keating Road in Pensacola. The project consisted of the milling, resurfacing and widening of SR 742 from a two-lane rural section to a two-lane urban section in a residential corridor and included dedicated left turn lanes, addition of a traffic signal at Keating Road, driveway connections, drainage conveyance system, utility coordination and adjustments. Construction was completed in 2010.
- State Road 292 – FDOT District 3 – Escambia County, FL – Assisted as Project Engineer/Manager for roadway design and preparation of final construction plans and specifications of .3 miles of SR 292 at the intersection of River Road in Perdido Key. The

**PROFESSIONAL
EXPERIENCE**
(Continued):

project consisted of the milling, resurfacing and widening of SR 292 from a two-lane rural section to a three-lane rural section in an environmentally sensitive corridor and included dedicated left turn lanes at River Road, driveway connections, utility coordination and adjustment. The project corridor was within the habitat for the Perdido Key beach mouse and had restrictions for reducing limits of construction and staging areas in order to comply with FWS mandates. Construction was completed in 2009.

- County Road 15 – Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.9 miles of County Road 15 from SR 46 to north of Orange Boulevard. Improvements consisted of reconstructing the two-lane rural roadway to a five-lane urban facility with a continuous left turn lane. The project is located in a heavily developed commercial and residential area with numerous intersecting streets and driveway connections. The project included five stormwater management ponds and drainage conveyance systems, two signalized intersections, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2009.
- Conway Road – City of Orlando – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of two miles of Conway Road from SR 528 (Beachline Expressway) to Hoffner Road. The project reconstructed the rural two-lane roadway to a four-lane divided urban section. The roadway is located in a heavy residential area and included side street and driveway connections, an area of unsuitable soils that was partially excavated and utilized a surcharge program for soils consolidation, three stormwater management ponds and drainage conveyance, three signalized intersections utility coordination, adjustment plans, and new utility plans for water and sewer. Construction is anticipated to be completed in 2011.
- SR 44 – FDOT District 5 – Sumter County, FL – Project Engineer for roadway design and preparation of final construction plans for the reconstruction of approximately 5 miles of SR 44 from east of US 301 to County Road 468. The project consisted of constructing a new parallel two-lane rural roadway and milling, resurfacing and reconstruction portions of the existing rural two-lane roadway, as well as analysis of the vertical geometry and superelevation of the existing roadway to determine the areas of vertical curvature and superelevation that required reconstruction in order to meet current design criteria. In addition, the project had 10 stormwater management ponds and drainage conveyance, and utility coordination and adjustment plans. Construction was completed in 2005.
- Dodd Road, Seminole County, FL – Project Engineer for roadway design and preparation of final construction plans and bid documents for the reconstruction of 1.7 miles of Dodd Road from Howell Branch Road to Red Bug Lake Road from a rural two-lane roadway to a four-lane divided urban roadway. The project included driveway and side street connections, a two span bridge over Howell Creek, three stormwater management ponds and drainage conveyance, one signalized intersection, utility coordination, adjustment plans, and new utility plans for water and sewer. Construction was completed in 2005.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Civil Engineers

QUALIFICATIONS:

B.S., Civil Engineering, 1985
Auburn University

REGISTRATIONS:

Professional Engineer (FL #45708, GA)

**PROFESSIONAL
EXPERIENCE:**

1985 - 2011 (Career)
2007 - 2011 (LPA)

Senior Transportation Manager
THE LPA GROUP INCORPORATED

Mr. Rainer has 26 years of experience in civil engineering and transportation as a project engineer and project manager. He has performed and managed a broad range of highway design tasks, including concept development; horizontal and vertical alignment design; drainage design; signing and marking plans; right-of-way calculations; quantity takeoffs; utility coordination; maintenance of traffic plans; and cost estimating. Mr. Rainer is an experienced project manager and is thoroughly familiar with the Florida Department of Transportation (FDOT) and Georgia Department of Transportation (GDOT) plan development processes, design standards, and specifications. While he has extensive experience managing projects for state DOT's, the vast majority of Mr. Rainer's experience comes from managing multiple projects for several repeat local government clients as a result of the personal service he brings to each project. Mr. Rainer's project experience includes:

AREAS OF EXPERTISE:

- Project Management
- Roadway Design
- MOT Design
- Design/Build
- Quality Assurance

- Capital Circle, Leon County, Florida. Prepared maintenance of traffic plans for three-mile section of this design-build contract. Project involves widening existing two-lane rural roadway to four-lane urban section with raised median.
- I-95 SB Agricultural Interdiction Station, Duval County, FL – Mr. Rainer served as EOR representative during construction phase of this project that had been designed by LPA for the Florida Department of Transportation District Two. Mr. Rainer coordinated all submittal reviews/approvals, attended bi-weekly construction progress meetings, answered all RFI's, oversaw design changes, initiated design changes to solve issues that arose during construction. This project is 95% constructed.
- SR 128 Milling and Resurfacing, Duval County, FL - Mr. Rainer served as PM and EOR for the milling and resurfacing of a 5-lane roadway for the Florida Department of Transportation District Two. The project also includes ADA upgrades, utility relocations and structural upgrades to a bridge over Cedar Creek. The project was designed on time and under budget and construction is about to begin.
- City of Valdosta Program Management, Lowndes County, GA - This program involves approximately 20 projects encompassing minor intersection improvements, widening and reconstruction of various roadways throughout the city of Valdosta, GA. Serving as project manager responsible for overall client contact, scheduling, invoicing, concept development and overall quality control for the design of several intersection improvements and widening projects. Overseeing staff in Jacksonville, FL and Atlanta, GA.
- SR 537, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.027 mile long milling and resurfacing project for a five-lane urban roadway. The

**PROFESSIONAL
EXPERIENCE**
(Continued):

- scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates.
- SR 434, FDOT, District 5, Orange County, FL - Engineer of Record for approximately 1.7 mile long milling and resurfacing project for a four-lane suburban (curb and gutter on outside, grass shoulders with depressed median) roadway. The scope of work for this project includes preparation of 60%, 90%, and 100% construction plans including preparation of typical section package, pavement design package, design exception request package and monthly construction cost estimates. *fn fáfn* Alf Coleman Road, Panama City Beach Community Redevelopment Agency (CRA), Panama City Beach, FL - Project engineer for approximate one-mile widening from rural two-lane to four-lane urban section with bike lanes and sidewalks. Project includes intersection improvements at Front Beach, Middle Beach and Back Beach Roads. Project also includes the design of stormwater treatment facilities. Project also involved extensive communication and coordination with affected property owners of which Mr. Rainer served as lead engineer explaining reasoning behind design to property owners.
 - SR 10 (Mahan Drive) Reconstruction, Florida Department of Transportation, Tallahassee, Florida. Senior Project Engineer responsible for various quality assurance reviews.
 - Hernando Dive, Putnam County Department of Public Works, Palatka, Florida. Project engineer for the design of a 6,200-linear-foot roadway improvement and paving project. Performed horizontal and vertical geometry calculations, prepared all stormwater management district permit applications, prepared final bid documents, and addressed design issues during construction.
 - Waldo Road (SR 24), FDOT District Three, Alachua County, Florida. Project engineer for approximate 4.5-mile resurfacing project. Prepared typical section package, traffic control typical sections, performed quality control for 30 percent roadway plans submittal, and provided peer review for final specifications submittal.
 - Palmetto Expressway (SR 826) at NW 103rd Street, FDOT, Miami, Florida. Performed drainage design and prepared signing and marking and maintenance of traffic plans for preliminary and final design for the widening of 6,200 feet of Palmetto Expressway interchange over NW 103rd Street. Project also involved significant improvements to various surface streets in the vicinity.
 - I-275, FDOT, Tampa, Florida. Performed quality assurance review for the widening of I-275 from Tampa Bay to just past Dale Mabry Boulevard near Tampa International Airport. Project included several new interchanges with extensive frontage roads, collector distributor roads, and on/off ramps. Review included checking alignments and profiles for conformance to FDOT standards, geometric correctness, and overall project conformance to predicted traffic.

**PROFESSIONAL
MEMBERSHIPS:**

American Society of Highway Engineers (ASHE)
CHI Epsilon (Civil Engineering Honor Society)
National Society of Professional Engineers (NSPE)
Florida Engineering Society (FES)

QUALIFICATIONS:

Architectural Drafting and Design Technical Degree
Phoenix Institute of Technology

Continuing education in Civil Engineering
Miami Dade Community College

1985 - 2011 (Career)
2005 - 2011 (LPA)

PROFESSIONAL EXPERIENCE:

Senior Transportation Designer
THE LPA GROUP INCORPORATED

Mr. Gaiotti is a Senior Transportation Designer with over 26 years of experience in engineering and CADD production.

LPA project experience includes:

- I-95 Interdiction Station – Nassau County, Florida – FDOT District Two – Design and detailing of Interdiction Station, including pond, drainage, Roadway Auxiliary Ramps, lighting, and signing and pavement markings.
- SR 128 Milling and Resurfacing Project, Duval County Florida – Milling and Resurfacing of existing five-lane urban section, which includes an analysis of existing conditions for ADA compliance. Design and Detailing of proposed plans.
- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Senior Designer for milling and resurfacing of one-mile segment of four-lane urban roadway.
- SR 61 over Lost Creek Bridge, Wakulla County, Florida – Widening and reconfiguration of existing bridge to include two lanes of traffic, bicycle lane, and sidewalk in each direction. Design and detailing of the 270-foot-long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36-inch drilled shafts.
- Bayou Chico Bridge Replacement, Escambia County, Florida – Design of the 200-foot, three-span dual bridges carrying SR 30 (Navy Boulevard) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
- Mahan Drive from Dempsey Mayo to four-lane at I-10 interchange, Florida, FDOT District Three – Reconstruction of a three mile segment of a two-lane rural road to a four-lane divided urban roadway with curb and gutter and sidewalks.

Work experience prior to LPA:

- 2004 to 2005 – Marlin Engineering Inc. – Civil Site Design
 - City of Tallahassee Concurrency Package for Country Inn and Suites Site – Stormwater design using ICPR 3; site design and site plan approval package; environmental permitting; and project management.
 - Florida Keys Overseas Heritage Trail – Bike path design and layout; design variance package; and quantities.
 - N.W. 25th Street – Electronic delivery package for FDOT and electronic plans submittal to FDOT.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage Design**
- **Traffic Design and Plans**
- **Earthwork Quantities**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- 2000 to 2004 – Baskerville-Donovan Inc. – Civil Highway and Lighting Design
 - Lighting Design Projects for Alabama DOT – Horizontal base plans for roadway lighting including 120' high mast lighting design; vertical cross sections; lighting details and design criteria; utility coordination; maintenance of traffic design; CES quantity calculations; construction cost estimate; computation book; and plan review and QA/QC.
 - Production Design for FDOT Projects 2000-2004 – SR 79 and Thomas Drive – Horizontal base plans; vertical cross sections; utility coordination; communications design and plans; maintenance of traffic design; cross sections - earthwork quantities; CES quantity calculations; construction cost estimate; computation book; plan review and QA/QC; and structural plans layout and quantities; electronic delivery package for FDOT; and electronic plans submittal to FDOT.
 - Production Design for FDOT Projects 2000-2004 – Connor Boulevard and East Park Avenue, City of Tallahassee – Horizontal and vertical base plans; drainage structure plans; gravity wall plans; retaining wall plans; vertical alignment design; and cross sections – earthwork quantities.
- 1995 to 2000 – Vanasse Hangen Brustlin Inc. – CADD Design and Project Supervision
 - I-95/I-595 ITS projects: CMS Sign Project; Project Utilities Coordinator; Plans Production Coordinator; Survey Coordinator; and CADD Designer for ITS Layout.
 - McArthur Causeway Bridge – CADD Designer – Structural plans layout for retrofit: bridge railing and median barrier; and field inspection.
 - Traffic Design – Traffic signal design, Sunbeam Properties; signal intersection layout; CADD plan production; signing and pavement markings; utility coordination; signal quantity calculations; construction cost estimate; traffic data collection; turning movements counts; queue analysis counts; time delay studies; collision diagrams; condition diagrams; and alternatives and improvements.
- 1990 to 1995 – Florida Department of Transportation, District 6, Miami Florida – Internal Design
 - Engineer 1 – Design and detailing of SR 112 Toll Plaza Parking facility.
 - SR A1A Collins Avenue design and detailing
 - SR 5 (US-1) Design and detailing. Signing and pavement markings, lighting, signals, and roadway plans preparation.

QUALIFICATIONS:

M.S., Civil Engineering, 2003
North Carolina State University
Structures and Mechanics Concentration

B.S., Construction Engineering and Management, 2001
North Carolina State University

REGISTRATION:

Professional Engineer (FL #67269, NC)

CERTIFICATION:

NBIS Certified Bridge Inspector

**PROFESSIONAL
EXPERIENCE:**

2001 - 2011 (Career)

2005 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

Mr. Sherman's ten years of structural design experience includes all aspects of bridge design, having worked on multiple projects in Florida and throughout the Carolinas. He has experience with conventional design, load rating, rehabilitation, design-build, and construction inspection, as well as building structures and roadway design. Typical duties include:

AREAS OF EXPERTISE:

- Structural Design
- Roadway Design

- Bayou Chico Bridge Replacement, Escambia County, Florida, FDOT District 3 – Design of 200' three-span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. Permitting included a Coast Guard Permit for the navigation channel.
- Kemp Channel Pedestrian Bridge, Monroe County, Florida – Performed a cursory inspection to identify deficiencies of concrete arch bridges that were once part of Flagler Railroad located in the lower Florida Keys. The total bridge length at Kemp Channel is 992' feet long consisting of 32 equal arch spans. Proposed rehabilitation work includes hand rail replacement, expansion joint repair, and the addition of bridge spans where arch sections are missing such that the bridge can be reopened for pedestrian use. These bridges are to be used in part of a planned multi-use trail extending from Key Largo to Key West.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures.
- SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida – The existing condition of an eight span sonovoid structure on this milling and resurfacing project is evaluated. Barrier rail retrofits and joint replacement deemed necessary. Load rating performed.
- Long Key Construction Administration, Monroe County, Florida – Provided construction administration services during the construction of cantilevered fishing platforms off of several historic Flagler Railroad concrete arch bridges. Duties include pay request approval, construction inspection, and shop drawing review.

**PROFESSIONAL
EXPERIENCE**
(Continued):

- PBC DOA Expansion Joint Rehabilitation, West Palm, Florida – Provided construction inspection services during the replacement of expansion joints on the bridge approach spans of the departure terminal at Palm Beach International Airport.
- Kentucky Utilities, Ghent, Kentucky – Served as a structural engineer for the Fluor Power Group on a temporary assignment. Task was to evaluate existing structural conditions in the renovation of a 30-year old coal power plant for the installation of a SCR system to reduce NO_x emissions.
- MLK (U-3412), Union County, North Carolina – Served as a designer during the proposal stage on this winning design-build effort. Three prestressed concrete beam bridges and two culverts are part of this project.
- US 601 (R-2616), Union County, North Carolina – Served as a designer for dual single-span steel bridges each 145' in length., two precast arch culverts and two precast box culverts on this design-build project.
- Bridge on CSX Railway over NC-55 (U-3308), Durham County, North Carolina – Served as a designer of a four-span steel railway bridge.
- Rea Road over Rea Branch, Mecklenburg County, North Carolina – Serving as a designer for a two-span prestressed concrete girder bridge 130' in total length.
- I-85 Widening (I-2511 CB) Rowan County, North Carolina – Assisted in the roadway design during the construction phase of this design-build project.
- Bridge Group 46 – Assisted in the roadway design of small bridge relocation projects in multiple locations in North Carolina.

Project experience prior to LPA includes:

- US 74 over Monroe – Ansonville Road, (R-2559C) Union County, North Carolina – Served as a designer for dual single-span steel bridges each 200' in length.
- Northlake Boulevard over I-485, (R-2248D) Mecklenburg County, North Carolina – Served as a designer for a two-span steel bridge 270' in total length.
- US 70 Bypass (R-2552AA and R-2552C) Wake-Johnson County, North Carolina – Assisted in designing four bridge structures. R-2552AA consisted of dual six-span bridges using 63" AASHTO modified bulb tee girders each 600' in total length. R-2552C consisted of dual six-span bridges using AASHTO type IV girders each 475' in total length.
- NCDOT Bridge Maintenance Unit Contract – Served as a designer for 15-20 cored slab bridges in numerous locations around the State of North Carolina.
- SC 38 / US 501, Dillon and Marion Counties, South Carolina – Served as a designer on a two-span fly over bridge.

COMPUTER SKILLS:

Matlab, SAP 2000, STAAD, RISA 3-D, RC Pier, Conspan LA, Consys, LPile, Merlin Dash, Simon, MicroStation, Geopak, MathCad, Solid Edge

QUALIFICATIONS:

B.S., Civil Engineering, 2001
Florida State University

REGISTRATION:

Professional Engineer (FL #65026)

CERTIFICATION:

FDOT Long Range Estimating
FDOT Specifications Package Preparation

PROFESSIONAL EXPERIENCE:

1999 - 2011 (Career)
2010 - 2011 (LPA)

Structural Engineer
THE LPA GROUP INCORPORATED

AREAS OF EXPERTISE:

- **Bridge Design**
- **Load Rating**
- **Bridge Structural Detailing**
- **Foundation Design**

Mr. Cain's nine years of structural design experience includes all aspects of bridge and roadway structures design including design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. His experience with commercially available software that is commonly used for design includes Microstation/Geopak, FDOT Structures Software, FB-Multiplier (B.S.I.), Mathcad, Pilebuck, LEAP Conspan, RC-Pier and L-Pile. He has load rated over 40 bridges and has performed over 100 quality control reviews of load ratings during his career. He has worked on projects in Florida, Alabama, South Carolina and Missouri. He has prepared load ratings using both conventional and innovative techniques using both Load and Resistance Factor Rating (LRFR) and Load Factor Rating (LFR) methodologies. His experience with commercially available software that is commonly used for load rating includes Virtis, BARS, SALOD, and Conspan.

Representative projects:

- MoDOT Safe & Sound Improvement Program, Statewide, Missouri, MoDOT – Plans preparation for over 30 structures on this landmark design build project in the State of Missouri. The Safe and Sound bridge replacement program consisted of a total of 554 bridges all part of one design build contract. Typical duties include superstructure and substructure design, load rating and discipline coordination. Bridge superstructures consist predominantly of prestressed voided slab sections and box beams.**
- Western Wake Freeway, Wake County, North Carolina, North Carolina Turnpike Authority – Responsible for quality control of the design for two of the four bridges on this Design-Build project. Duties include QC for superstructure and substructure design. Bridge superstructures consist of cast in place concrete deck placed on prestressed concrete girders. Bridge substructure foundations consist of drilled shafts, steel H piles and spread footings.**

Work experience prior to joining LPA:

- E.C. Driver & Associates – Tallahassee, Florida – Structures Engineer – August 2001 - August 2006 (Engineer Intern) – August 2006 - October 2009 (Professional Engineer)**
 - **Responsibilities included design, detailing and preparation of plans and quantities for fixed span bridges, bascule bridges, box culverts, retaining walls, bridge fender systems, overhead sign structures, mast arms and strain pole systems. Responsibilities also included ASR, LFR, and LRFR load ratings of bridges, and project cost estimating including use of the FDOT LRE Program. Post design responsibilities included review of shop drawings, specialty engineer calculations, and response to various RFI requests.**

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Florida Department of Transportation – Central Office - Estimates Office – March 1999 - August 2001
 - Responsibilities included maintaining the Long Range Estimating (LRE) program and LRE student training database. Maintained and edited the Basis of Estimates Handbook. Compiled bridge pay item data for bridge cost estimating that is used in the LRE program.

Project experience prior to joining LPA:

- J.T. Butler Interchange, Duval County, Florida, FDOT District Two. Curved Steel Box Girder Bridges. Detailed plans for internal bracing of curved steel box girders. Assisted in design for temporary bracing and pot bearings. Assisted in design of overhead span and cantilever sign structures. Post design involved review of shop drawings for sign structures and internal bracing of box girders. The project consisted of 6 bridges with dual curved trapezoidal steel box girders. The bridges were 2, 3 and 4 span continuous units. Span lengths ranged from 139'-0" to 282'-0".
- S.R. 212 (U.S. 90/Beach Boulevard) over ICWW, Duval County, Florida, FDOT District Two & JTA. Prestressed Beam Bridges. Assisted in design of superstructure, substructure, MSE walls and temporary critical anchored sheetpile walls. Designed standard/special design mast arms and temporary strain pole systems. Prepared plan sheets, finish grade elevations, calculated bridge quantities and performed LFD load rating on superstructure. The scope of the project was to replace the existing bascule bridges with high level bridges. The replacement bridges are 2100'-0" and 2298'-0" with 15 spans 17 spans respectively. Both bridges include 138'-0" and 148'-0" simple spans utilizing 78" Florida Bulb-T Beams. Post design services included reviews for structural RFI's and shop drawings.
- I-75 Southbound Realignment Over Salt Creek and Bridge Widening of I-75 Northbound Over Salt Creek and I-75 Over Fox Creek, Sarasota County, Florida, FDOT District One. Engineer of Record for new bridge and bridge widening over Salt Creek. Designed superstructure components and assisted in substructure design for Fox Creek bridge widenings. Detailed bridge components and prepared quantities. The new bridge on this project is a 4-span AASHTO girder bridge with Type III and Type IV girders. The widenings are single phase construction without deck replacements on the existing bridges.
- S.R. 63, Lake Jackson Ecopassage, Leon County, Florida, FDOT District Three. Engineer of Record for structures contract plans and structural design. Designed and detailed ecopassage that included approximately two miles of vinyl sheetpile wall with colored concrete bulkhead, stage construction box culverts fitted with DBI tops, concrete retaining endwalls and modified gravity wall.

COMPUTER SKILLS:

Microstation/Geopak
FDOT Structures Software
FB-Multiplier (B.S.I.)
LEAP Bridge V8i
L-Pile
SAP 2000
AASHTO Virtis
AASHTO BARS
Pilebuck Sheetpile Wall 911
Mathcad

QUALIFICATIONS:

REGISTRATION:

**PROFESSIONAL
EXPERIENCE:**

AREAS OF EXPERTISE:

- *Bridge Design*
- *Roadway Design*
- *Stormwater Design*

B.S., Civil Engineering, 2005
Florida State University

Professional Engineer (FL #70728)

2004 - 2011 (Career)
August 2009 - 2011 (LPA)

Bridge Design Engineer
THE LPA GROUP INCORPORATED

Mr. Westphal's structural design experience includes all aspects of bridge design. He has worked on projects in Florida, Missouri and North Carolina. He has performed designs using AASHTO Standard Specifications for Highway Bridges as well as AASHTO LRFD Bridge Design Specifications. He has prepared load ratings using Load and Resistance Factor Rating (LRFR) methodology.

Project experience with THE LPA GROUP includes:

- CR 245 over Olustee Creek Bridge load rating for the Florida Department of Transportation, District 2 in Columbia County. The proposed bridge consists of an overall 350-foot, seven-span AASHTO Type-II girder bridge.
 - Western Wake Freeway, Bridge Number 15 over US 64 bridge design and load rating. The proposed bridge consists of a 209-foot long, two-span AASHTO type-IV girder bridge.
 - Western Wake Freeway, Bridge Number 16 over Western Wake Freeway bridge design and load rating. The proposed bridge consists of a 215-foot long, two-span AASHTO type-IV girder bridge.
 - Corinth Road over Otter Creek box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a four-barrel, 40 foot long culvert.
 - Bonifay-ChIPLEY Road over Camp Branch box culvert design and load rating for the Florida Department of Transportation, District 3 in Holmes County. The proposed structure consists of a three-barrel, 27 foot long culvert.
 - Missouri Department of Transportation's Safe and Sound Bridge Improvement Project. Assisted in the creation of design standards to be used in the redesign and replacement of a majority of 554 structurally deficient bridges throughout the state. In addition, created plans for various phases of bridge design and construction. Responsible for designing non-standard structures, including spread footing foundations and reinforced concrete flat slab superstructures.
 - Administer shop drawing reviews as necessary and furnish designs of miscellaneous structures such as retaining walls, pedestrian boardwalks and mast arms.
- Previous experience includes:
- October 2006 to July 2009 – Florida Department of Transportation, Tallahassee, Florida – Engineering Intern

PROFESSIONAL EXPERIENCE
(Continued):

- FDOT LRFD Prestressed Beam Program v.3.1 with Load Rating portion. The program was written in accordance with the FDOT Structures Design Guidelines and the Manual for Condition Evaluation Load and Resistance Factor Rating (LRFR) of Highway Bridges.
- Served as a Structural Designer, responsible for maintaining engineering programs on the FDOT Structures Design Office website.
- Ensured software programs are in compliance with changes/updates to the latest edition of the AASHTO LRFD Bridge Design Specifications or other relevant design specifications.
- Communicated with FDOT consultants and FDOT District personnel regarding technical feedback and/or difficulties with software.
- Assisted in the design of bridges and retaining walls.
- Aided in the calculation of quantities for projects.
- Reviewed Shop Drawings.
- Assisted in reviewing major proposed bridges in the State of Florida.
- May 2005 to October 2006 – Baskerville-Donovan, Inc., Tallahassee, Florida – Engineering Intern
 - Served as a Drainage Designer, modeling and designing stormwater pipe networks as well as creating technical reports such as stormwater needs assessments for small communities.
 - Served as a Roadway Designer, assisting with roadway design and computation books.
 - Aided in the creation of construction plans extensively through drafting, for both roadway and drainage projects.
 - Created several project cost estimates for both roadway and drainage projects.
- June 2004 to August 2004 – City of Tallahassee, Tallahassee, Florida – Engineering Intern
 - Assessed the condition of city roads through extensive field work, as part of a city-wide effort aimed at infrastructure improvements.

COMPUTER SKILLS:

Software:
MathCAD, FDOT Structural Engineering Programs (including LRFD Prestressed Beam Program), RISA, LEAP Bridge, RC-Pier, L-Pile, SAP 2000, Microstation, AutoCAD and Microsoft Office.

QUALIFICATIONS:

Course Work, 1967 - 1968
Texas A&M University, College Station, Texas
Course Work, 1968 - 1969
Charleston Southern University, Charleston, SC
Graduated 1974
South Carolina Law Enforcement Academy, SC
U.S. Air Force, Aerospace Defense Command, E-5, 1969 - 1973
Flight Simulator Technician, Vietnam, Honorable Discharge
Chanute Technical Training Center, Rantoul, IL

CERTIFICATIONS:

Certificate in Electronics, Hydraulics, Pneumatics and Aerodynamics
Pilot's License, Single and Multi-Engine Land
Certified Open Water Diver

PROFESSIONAL EXPERIENCE:

1973 - 2011 (Career)
2009 - 2011 (LPA)

Construction Manager
THE LPA GROUP INCORPORATED

Mr. Burton Jr. is a detail-oriented, analytical and highly motivated professional offering 25 years success in Civil Engineering, Vertical Construction, Transportation, FAA, Federal and State-funded and environmentally sensitive projects. Consistently delivers complex, large-scale projects on time and within budget. He is an accomplished turnaround specialist with exceptional project turnaround skills and recovery strategies. Replaces existing construction managers, assumes decision-making reins of troubled projects and guides them through setbacks and into success. He is an adaptable manager who is well-versed in contract negotiations, project estimating, resolving impending design problems, and building and code regulations. He is a highly skilled communicator with the proven ability to build consensus and liaise with parties involved to ensure all the elements of a project coordinate and dovetail with organizational objectives. Mr. Burton is a dependable team player able to interact with and work well with laborers, tradesmen, architects, engineers and owners.

Project experience since joining LPA includes:

- Apron A Construction, Palm Beach International Airport – Construction Manager for a new 176,000 square foot concrete apron and realignment of existing access roads, including demolition items, grading, drainage, paving, chain link fence, automated gates, associated electrical work and stormwater work.

Project experience prior to joining LPA includes:

- General Access Road Rehabilitation, Tallahassee Regional Airport – Resident Personal Representative and inspector for the demolition and reconstruction of the General Aviation Access Road at Tallahassee Regional Airport. Project included extensive milling and P-401 paving operations, grading, sodding, grassing, automated gates, and redesign and construction of 800 feet of stormwater. Project responsibility also included field redesign of Capital Circle/Access Road tie-in and Fuel Farm Parking Lot.

AREAS OF EXPERTISE:

- **Construction Planning/Scheduling**
- **Estimating and Job Cost**
- **Budget Management and Cost Control**
- **Contract Negotiation**

PROFESSIONAL EXPERIENCE
(Continued):

- Terminal Apron Stormwater, Tallahassee Regional Airport – Resident Personal Representative and inspector for the construction of stormwater ponds surrounding the main terminal apron. Project included excavation, grading, geogrid, sodding, grassing, stormwater structures.
- Runway Improvements, San Salvador International Airport, Bahamas – Consultant and inspector for P-401 paving operations and extension of runway. Project involved erection of onsite asphalt plant and barging materials and supplies from the U.S. Project included stormwater, excavation, subgrade, base rock, paving, grading, electrical lighting, and painted markings and striping.

Work history prior to joining LPA includes:

- Florida Department of Environmental Protection, Tallahassee, FL – September 2005 to January 2009 – Construction Project Consultant (CPC) and Contract Manager, Office of Coastal and Aquatic Managed Areas (CAMA). Some responsibilities included:
 - Reporting directly to the Director of CAMA, the Budget Director and the Deputy Secretary of the Florida Department of Environmental Protection.
 - Accountable for the execution and delivery of all civil construction activities for CAMA; Coastal & Aquatic Managed Areas comprising 4.8 million acres
 - Initiating constant communication with three Regional Managers and 30 Aquatic Preserve Managers to ensure core expectations of the project were met, including the timely conclusion of the projects and completion of all applicable supporting documentations like schedules, cost issues and tracking.

PROFESSIONAL MEMBERSHIPS:

Capital City Chapter of United States Green Building Council
Speaker of the House's Citizen's Committee, 2002 - 2003
President's Economic Advisory Committee, 2002

COMPUTER SKILLS:

MS Office Suite
MS Project
CAD
ArcView
AIA
GIS
FLAIR

QUALIFICATIONS:

Indiana Highway Technician Course
Purdue University Extension

Continuing Education Courses
Nashville State Technical Institute

Level II NICET
Construction Materials Technician, Concrete

1959 - 2011 (Career)

1991 - 2011 (LPA)

Resident Project Inspector
THE LPA GROUP INCORPORATED

PROFESSIONAL EXPERIENCE:

Mr. Banta has a wide variety of experience related to the development, design, and construction of utility systems and drainage projects. His experience includes surveying, construction management, drafting, mapping, the conduct of inflow and infiltration analyses, the design and maintenance of water and sewer systems, roadway construction, water system design, and pipeline design.

Typical projects while with THE LPA GROUP include the following:

- Resident Project Inspector for the FDOT Capital Circle S.I.S. Connectors Project SR 263. Project is located at the entrance of the Tallahassee Regional Airport in Tallahassee, Florida. This project included grading, drainage, paving and marking. MOT certification was required and obtained prior to construction.
- Inspector for Runway/Taxiway rejuvenation and Crack Sealing Project at the Northwest Alabama Regional Airport located in Muscle Shoals, Alabama. Project also included rebuilding all of the runway lighting system, including the airport Beacon and partial electrical vault equipment replacement. Project also included restriping of the runway/taxiway and its rejuvenated areas.
- Inspector for the New Corporate Administration Building, Space Coast Regional Airport at Titusville, Florida. In addition to the new building, this project includes drainage, grading, paving and landscaping along with utility relocation and additions.
- Inspector for the Remote Overnight Apron at the North West Florida Regional Airport which included asphalt and concrete placement as well as lighting and drainage.
- Inspector for Phases 3, 4 and 5 Perimeter Service Road Project at Daytona Beach Regional Airport in Daytona Beach, Florida. Project includes paving, grading, drainage, fencing, and FAA cable relocation. This project required a lot of owner and tenant involvement.
- Resident Project Representative for the Central Apron Project at Tallahassee Regional Airport in Tallahassee, Florida. Project included paving, grading and drainage as well as aircraft tie-down area with adjoining mast lighting.
- Co-Project Representative for the milling and repaving of the main parallel taxiways and connectors at the Tallahassee Regional Airport in Tallahassee, Florida. Project included milling for the correcting cross drainage and new asphalt surface including all striping.

AREAS OF EXPERTISE:

- **Construction Management**
- **Drainage**
- **Utilities**
- **Grading**
- **Sewer Systems**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Resident Project Representative for the installation of two (2) new Passenger Loading Bridges and renovation of six (6) Existing Tunnel structural upgrades as well as electrical, air conditioners, and redecorating needs. This upgrades all of the loading bridges at the Tallahassee Regional Airport in Tallahassee, Florida.
- Resident Project Representative for the new FedEx Complex at the Tallahassee Regional Airport in Tallahassee, Florida. This project includes a new apron with new access taxiways which require Retention Ponds drainage, paving, lighting, parking areas, security fencing and gating. The new facility encompasses the existing Air Cargo complex and a new Access Roadway from a major highway to both facilities which will be lighted and provides ingress and egress for all size vehicles.
- Resident Project Representative for a new eight (8) mile perimeter road with a new adjoining ten (10') foot security fence at the Tallahassee Regional Airport in Tallahassee Florida. Project included extensive coordination with owner and airport operations for safety and security during Construction.
- Resident Project Representative for the addition of 25' paved shoulders to either side of the north- south runway at Tallahassee Regional Airport.
- Resident Project Representative for the construction of the General Aviation Taxiway "R" and "B" at the Tallahassee Regional Airport.
- Resident Project Representative for a total airfield lighting renovation at North West Alabama Municipal Airport in Muscle Shoals, Alabama.
- Resident Project Representative for the T-hangar Phase II project at the Sarasota-Bradenton International Airport, Florida. Project included paving, grading, and drainage plus the erection of three (3) new hangar units.
- Resident Project Representative for the new Taxiway "D" project at Sarasota-Bradenton International Airport at Sarasota, Florida. Project includes construction of a completely new taxiway plus an asphalt overlay of an existing taxiway.
- Resident Project Representative for part of Runway 3 extension at Greenville-Spartanburg International Airport, South Carolina.
- Resident Project Representative for clearing project at Orangeburg Municipal Airport, South Carolina.
- Resident Project Representative for Phase II on runway extension and customs facilities, including apron and building, for Greenville-Spartanburg International Airport, South Carolina, Stages I and II. Project includes paving, grading, and drainage as well as access road to BMW Facility.
- Resident Project Representative for Phase II of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as extending and upgrading the existing primary roadway and taxiway.
- Resident Project Representative for Phase I of a multi-million dollar project for the Mississippi Air National Guard, Meridian, MS. Project includes paving, grading, and drainage; as well as a new apron with upgraded fuel facility.

QUALIFICATIONS:

B.S., Civil Engineering, 1979
University of Florida

REGISTRATION:

Professional Engineer (FL # 34810)

TRAINING:

Project Manager Course/Florida Department of Transportation
Quality Assurance/Quality Control Training/Florida Department of Transportation
Project Engineer Training/Florida Department of Transportation
Traffic Control Plan Certification/Florida Department of Transportation
Hearing Officer – Hillsborough County – Residential Traffic Control
Expert Witness – Court of Appeals
Institute of Transportation Engineers, Engineer of the Year, 1996
Institute of Transportation Engineers, Fellow (International Director 1993 to 1995)
Institute of Transportation Engineers, Past Florida President (1992-1993)
Illuminating Engineering Society of North America

PROFESSIONAL EXPERIENCE:

1979 - 2011 (Career)
2010 - 2011 (LPA)

Principal – Director of Local Government Services
THE LPA GROUP INCORPORATED

Work history prior to joining THE LPA GROUP includes:

Director of Local Government Services, Florida – Mr. Dabkowski, P.E., was responsible for assuring complete client satisfaction in all aspects of Traffic, Parks, Trails, Planning and Civil Engineering. Satisfaction means a very clear scope of service by all parties, assigned personnel that are experts in the field of scope, a realistic schedule that will meet the clients' needs, reasonable negotiated fees that follow the industry standards, a quality control process that is tailored to the scope, a finished product that the client will be proud of and finally, a positive reply from their clients that will be proud to share. The following are examples of major trail projects that Mr. Dabkowski directed:

AREAS OF EXPERTISE:

- *Project Management*
- *Construction Administration*
- *Roadway Design*
- *Utility Design*
- *Right-of-Way Surveying*

- Gainesville, Florida – Under the direction of Mr. Dabkowski, the team provided survey and engineering services for the 15 mile long design project. The project consisted of a 12 foot wide paved recreation trail connecting downtown Gainesville to the Hawthorne rail trail. This trail also included equestrian amenities and a trail head on the southern end. A beautiful steel arch bridge was designed and manufactured to fit the limits of a water crossing and the theme of the area. Included in this project was the design and environmental permitting. Complete construction plans and bid package was provided.

- Dunedin, Florida - This trail project was the first lighted section of the 62 mile long Pinellas County " Fred Marquis" trail. Mr. Dabkowski was the project manager for the first 16 mile segment of this award winning trail. Mr. Dabkowski also assisted the City in permitting and seeking approval to light a 1/2 mile segment with pedestrian scale lighting. This allowed the surrounding visitors of the hotels to walk the trail at night offering access to local dining and shopping within the CRA district of the City.

**PROFESSIONAL
EXPERIENCE
(Continued):**

- Gainesville, Florida – Mr. Dabkowski was the project manager for the Depot Avenue trail in the heart of the downtown. This trail connected the highly successful Hawthorne rail trail to the downtown area via the Depot Avenue trail. Several state road crossings were required which allowed great cooperation with the state. Environmental concerns from the previous rail usage were also contained and permitted with success. A roundabout was also introduced into the design and several high volume pedestrian crossings were designed with safe access. The team provided survey and engineering services for this 6 mile long design project. The project consisted of a 10 foot wide urban paved trail. Special crosswalk markings were approved by the state.
- Dunedin, Florida – The City visioned a linear park along the intracoastal waterway from the City limits to Downtown. This corridor known as Edgewater Drive was to provide bench seating, viewing areas, safe crossing of the street and expanded sidewalk designs for the multipurpose users including transit stops.

QUALIFICATIONS:

B.S., Civil Engineering, 1980
University of Toronto

REGISTRATION:

Professional Engineer (FL #58147, MI, and Ontario)

PROFESSIONAL EXPERIENCE:

1980 - 2011 (Career)
2010 - 2011 (LPA)

Senior Transportation Engineer
THE LPA GROUP INCORPORATED

Mr. Rao has 30 years of experience providing planning, design and project management for transportation engineering projects focusing on livable communities projects. The focus of this expertise is in designing facilities for multi-modal and non-motorized transportation users. I have particularly strong experience with designing traffic calming projects, bicycle/ pedestrian crossings and analyses, safe routes to school projects and programs, and traffic signal analysis.

As a former employee of government organizations – City of St. Petersburg, FL, five years; City of Toronto, Ontario, six years; and the Ministry of Transportation, Ontario, ten years – coupled with over eight years of private sector work for public clients – I understand the unique demands of designing projects in a public forum. During the last 20 years, I have personally attended and/or chaired over 800 public meetings, to reach consensus within these communities for implementation of projects.

Project experience prior to joining LPA includes:

□ 2003 to 2010 – Transportation for Livable Communities Engineer, Volkert, Inc., Tampa, FL

Traffic Calming Projects

- Neighborhood Traffic Calming (NTC) Program, Hillsborough County, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program. Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.
- Westshore Business District Area Traffic Calming Project, Tampa, FL (Hillsborough County) – Provision of traffic calming design services for Armenia and Howard Avenues arterial streets flanked by small business enterprises. These services consisted of planning and designing on-street parking configurations with a view to increasing parking inventory, reducing operating speeds, and beautifying these corridors. Services included research of other traffic calming programs for effectiveness, investigation and application of parking ordinances, evaluation and prioritizing of projects, development of construction standards for traffic calming features, assistance at two public information meetings (residential and business) and presentation to the Board of County Commissioners.
- Neighborhood Traffic Calming (NTC) Program Development, City of Dunedin, FL – After drafting the Scope of Services for the Neighborhood Traffic Calming (NTC) Program, Volkert was contracted to fully develop and implement the program.

AREAS OF EXPERTISE:

- *Transportation Engineering*
- *Traffic Design / Studies*
- *Conceptual Design Services*

**PROFESSIONAL
EXPERIENCE
(Continued):**

Services included research of other traffic calming programs for effectiveness, methodology/procedures for individuals/groups to request NTC projects, evaluation and prioritization of projects, development of construction standards for traffic calming features, assistance at public information meetings, and presentations to the Board of County Commissioners.

Bicycle and Pedestrian Studies

- Bicycle/Pedestrian Masterplan, City of Dunedin, FL – Conducted a comprehensive study outlining the on and off-road non-motorized opportunities for multi-modal use on a city-wide basis. Assisted in the development of the visions/goals, community responses, and pedestrian level of service computations. Assisted in the layout of the various cross-sectional strategies to provide bicycle lanes on existing pavements, leading to the development of the Masterplan Bicycle Conditions matrix as well as resident surveys/questionnaires.
- Fletcher Avenue Pedestrian Safety Study and Conceptual Design, Hillsborough County, FL – Conducted a comprehensive pedestrian and bicyclist safety study to analyze crash types patterns and identify opportunities for crash mitigation. Provided conceptual design services to foster safer crossings for pedestrians and more accessibility for bicyclists.
- SR 580 Pedestrian Safety Study and Conceptual Design, City of Dunedin, FL – Conducted a comprehensive pedestrian and bicyclist safety study to reduce crashes. Provided conceptual design services to improve accessibility for bicyclists and physically challenged persons. Working with the City and FDOT, conceptual countermeasures were developed for four cross-sectional roadway treatments ranging from a six-lane divided section to a two-lane median landscaped section adjacent to the Pinellas Trail.

Corridor and Neighborhood Transportation Studies

- City-Wide Transportation Study and Transportation Concurrency Management System Development, City of Newberry, FL – The project was to analyze current traffic while considering the City's Development Plan, ordinances, land use, and roadway infrastructure. Services included a field review of the corridor regarding lane capacity issues, analyzing traffic data and Levels of Service, and recommending a grid system future street system that encourages sustainable growth, connectivity, and multi-modal applications.
- Blind Pass Road Multi-Modal Corridor Plan, City of St. Pete Beach, FL – The project involved developing conceptual plans for better pedestrian access and new on-street parking for merchants in the central business district. It also included close coordination with FDOT for use of state rights-of-way in Downtown. A comprehensive area-wide study was conducted to determine the impacts of the redesign on the main high-volume traffic intersections.

**PROFESSIONAL
AFFILIATIONS:**

Hillsborough County MPO Livable Roadways Committee
Northeast Florida League of Cities
Association of Pedestrian and Bicyclist Professionals
Institute of Transportation Engineers (ITE)
Chair, Florida Urban Traffic Engineer's Council, 2001
Co-Founder, Tampa Bay Area Traffic Calming Group, 1997

QUALIFICATIONS:

B.S., Civil Engineering, 1982
University of Florida, Gainesville

REGISTRATION:

Professional Engineer (FL #38772, AL)

PROFESSIONAL EXPERIENCE:

1982 - 2011 (Career)
2002 - 2011 (LPA)

Principal
THE LPA GROUP INCORPORATED

Mr. Oshesky's 29 years experience is comprised of Program Management for Transportation Infrastructure, Greenway and Floodway Improvement Programs, Interstate Design, Interchange Design, Highway Design, Recreational and Trail Design, PD&E Studies, Feasibility Studies and Value Engineering. Mr. Oshesky actively participates in organizations and committees which provide continuing education, develop industry guidelines and identify potential funding for public projects.

Mr. Oshesky's entire career has been in Florida. During his career he served of over nine years of experience with the Florida Department of Transportation and over four years with the Florida Department of Environmental Protection. As Principal for The LPA Group's North Florida Region Mr. Oshesky has managed resources, overseen quality assurance and provided leadership for the following projects:

LPA project experience includes:

- Program Manager on General Engineering Consultant contract for BluePrint 2000 Intergovernmental Agency – Served three years as Program Manager for \$800 Million sales tax program for a City of Tallahassee/Leon County joint agency which includes corridor improvement projects on the state highway system and stormwater master planning and retrofit projects.
- Engineer of Record for Leon County Continuing Services contract.
- Project Principal on I-95 Agricultural Interdiction Station in Nassau County, for FDOT, District Two.
- Project Principal on SR 128 resurfacing in Duval County, for FDOT, District Two.
- Project Principal on Olustee Creek Bridge Replacement in St. Johns County, for FDOT, District Two.
- Project Manager on SR 60 Courtney Campbell Causeway Multi-Use Trail Feasibility Study, FDOT District Seven – Evaluate the feasible alternatives to provide recreational access and use along an eight mile corridor across Tampa Bay in Hillsborough and Pinellas Counties.
- Project Principal SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Milling and resurfacing of one-mile segment of four-lane urban roadway.
- Project Principal on SR 10 (US 90) Mahan Drive widening from Dempsey Mayo to I-10 in Leon County, for FDOT, District Three.
- Engineer of Record on I-10 Agricultural Interdiction Station for FDOT District Three – Design-build contract which included interstate ramps and facilities for the Florida Department of Agriculture and Consumer Services.

AREAS OF EXPERTISE:

- Program Management
- Value Engineering
- Recreational Trail Design
- Roadway Design
- Construction and Permit Drawings

PROFESSIONAL EXPERIENCE
(Continued):

- Engineer of Record on Monticello By-Pass Feasibility Study in Jefferson County for FDOT, District Three – Evaluated feasible alternatives for US 19 through downtown Monticello.
- Engineer of Record for Wakulla County Continuing Services contract.
- Project Principal SR 61 (US 319) Crawfordville Highway widening from US 98 to Lost Creek Bridge in Wakulla County, for FDOT, District Three.
- Project Principal on SR 20 (US 27) resurfacing in Jefferson County, for FDOT, District Three.
- Project Principal for Florida Department of Environmental Protection, Florida Overseas Heritage Trail.
- Principal for Florida Department of Environmental Protection, Camp Helen State Park Improvements and Rehabilitation in Bay County.
- Project Principal SR 30 (US 98) Bayou Chico Bridge Replacement in Escambia County, for FDOT, District Three.
- Project Principal on Turnbull Creek Bridge and resurfacing in Volusia County, for FDOT, District Five.
- Project Principal on SR 500 (US 192) Indian River Bridge Replacement Design-Build Criteria Package, Brevard County, for FDOT, District Five.
- Principal for Florida Department of Environmental Protection, Statewide Continuing Services Contract.
- Principal for Wakulla County, Ochlocknee Bay Multi-Use Trail Master Plan and Design.

Project experience prior to LPA includes:

- Florida's Turnpike, Osceola Parkway (Dart Boulevard) Interchange, Osceola County, Florida – Highway designer responsible for combined (one contract) PD&E, planning, highway design and plans preparation for the construction on a diamond interchange on Florida's Turnpike at the Osceola Parkway. The project included PD&E, highway design, drainage design, permitting, lighting, toll facilities design, and traffic control.
- FDOT, SR 84 (Alligator Alley) Conversion to I-75, Broward and Collier Counties, Florida – Lead highway designer for two sections of the ten section total project of the conversion of SR-84 to I-75 in Collier and Broward Counties. Project included the conversion of a two-lane highway through the Florida Everglades to a limited access interstate facility. Project included PD&E, highway design, maintenance of traffic, drainage, and permitting.

PROFESSIONAL MEMBERSHIPS:

American Society of Civil Engineers – Tallahassee Branch, Past Officer
Florida Institute of Consulting Engineers – Transportation Committee
Florida Engineering Society
American Society of Highway Engineers
American Public Works Association – Big Bend Chapter, Past President
Society of American Value Engineers
Florida Recreation and Park Association
Citizens Advisory Committee, Leon County, Tharpe Street Corridor Study

SPECIALIZED TRAINING:

Value Engineering Team Member and Leader Training
Value Engineering Module I and Module II Training
FDOT Advance Maintenance of Traffic

QUALIFICATIONS:

M.S., Civil Engineering, 1993
University of Illinois

B.S., Civil Engineering, 1992
The Citadel

CERTIFICATIONS:

Specifications
TRNS*PORT
LRFR Bridge Load Rating
Long Range Estimate
Errors & Omissions
American Segmental Bridge Institute Grouting Training Certificate

REGISTRATION:

Professional Engineer (FL #53948, NC)

PROFESSIONAL EXPERIENCE:

1993 - 2011 (Career)
2001 - 2011 (LPA)

Bridge Engineer
THE LPA GROUP INCORPORATED

AREAS OF EXPERTISE:

- Project Coordination
- Program Management
- Bridge Design
- Precast Segmental Bridges
- Conventional Beam Bridges
- Cable-Stay Bridges

Mr. Schwier has over 18 years of structural engineering experience including extensive work on the design of the new Leonard P. Zakim Bunker Hill Cable Stayed Bridge in Boston. He has experience in all aspects of bridge design, having designed both superstructure and substructure elements for precast segmental and conventional beam bridges. Mr. Schwier has also been involved in several bridge inspection projects, including fracture critical inspections.

- Florida Keys Overseas Heritage Trail (FKOHT) Bridge Restoration; Monroe County, Florida. These projects consisted of the condition inspection, restoration design and construction administration of seven of the historic Flagler railroad concrete arch bridges. The bridges were in various stages of deterioration after years of neglect or limited maintenance. The plans included concrete spall repair, concrete crack repair, joint replacement, milling and resurfacing and barrier repairs. Mr. Schwier served as the Lead Engineer and Manager for these projects at Park Channel and Big Coppitt Keys.
- Turnbull Creek Bridge Replacement; Volusia County, Florida. Replacement of the existing U.S. 1 Bridge. Mr. Schwier served as the Senior Engineer for the design and detailing of the 180' long bridge from the Bridge Development Report stage through final design. The structure is a 43' wide 18" deep cast-in-place flat slab on pile bents.
- Rookery Bay Pedestrian Bridge, Naples Florida. Services included design and construction administration for a boardwalk style pedestrian bridge using alternative building materials at the Rookery Bay National Marine Estuarine Research Reserve for the Florida Department of Environmental Protection. During construction no impacts, temporary or permanent, can be made to the wetlands. Mr. Schwier served as the project manager and lead structural engineer for this project.
- Group 9-04 Bridge Replacements, Holmes County, Florida, FDOT District Three – Mr. Schwier served as the Project Manager and the EOR for this project. Bridge culverts were used to replace two structurally deficient timber bridges. Coordination with

**PROFESSIONAL
EXPERIENCE
(Continued):**

- hydrology and roadway were essential in setting the proper culvert dimensions to suit each culvert site. An open thrie beam barrier was placed on the top of the culverts in lieu of a conventional Type F concrete barrier to accommodate overtopping conditions.
- Courtney Campbell Causeway, Hillsborough, and Pinellas Counties, Florida – Feasibility study of building a scenic trail along SR 60 from McMullen Booth Road to Veterans Expressway. Two major structures are located along Courtney Campbell Causeway. Rehabilitation will be required at these bridges to facilitate the scenic trail. Structural alternatives investigated to facilitate the walkway at the bridge locations include utilize existing bridge strength, widen, or build independent structures. Mr. Schwier served as the structures lead on this project.
 - Bahia Honda Bridge, Monroe County, Florida – Provided onsite engineering services during an emergency repair at Bahia Honda Bridge to many structural elements which posed a threat to mariners. Many hanging structural steel members and hanging sections of concrete deck were removed during the emergency repairs.
 - SR 128 (San Juan Avenue) over Cedar River, Duval County, Florida, FDOT District Two – Mr. Schwier served as the EOR for the structures work on this RRR project. The existing condition of an eight-span sonovoid structure and its approach spans are evaluated on this milling and resurfacing project. A barrier rail retrofit was required as well as expansion joint replacements. The bridge approach is a pile supported roadway section. The fill beneath the existing pile supported approach spans has settled and resultant down drag forces have separated the piles from the slab in some locations. LPA used borescopes to inspect the structure and designed repairs to replace piles that had settled and detailed for the structure. The repairs included installing replacement piles utilizing cantilevered pile caps and installing sheet pile along the curb line to reestablish the side slopes and sidewalks.
 - Olustee Creek Bridge Replacement; Union County, Florida. Replacement of the existing steel girder bridge. Mr. Schwier served as the Project Manager for the design and detailing of the 350' long bridge from the Bridge Development Report stage through final design. The structure consists of Type II AASHTO girders on pile bents.
 - SR 30 (US 98) Bayou Chico Bridge Replacement; Escambia County for FDOT District Three. Mr. Schwier served as Project Manager for the design of the 200' three span dual bridges carrying SR 30 (Navy Blvd.) over Bayou Chico. The structure consisted of AASHTO Type II and III beams on pile bents. Permitting included securing a Coast Guard Permit for the navigation channel.
 - SR 61 over Lost Creek Bridge; Wakulla County for FDOT District Three. Widening and reconfiguration of existing bridge to include 2-lanes of traffic, bicycle lane, and sidewalk in each direction. Mr. Schwier is the Senior Engineer on this project responsible for the design and detailing of the 270' long bridge. The bridge consists of CIP slab on AASHTO Type II beams founded on multi-column bents on 36" drilled shafts.
 - SR 79 over Reedy Branch; Washington County for FDOT District Three. This project consists of the phased construction of twin 400' bridges over Reedy Branch. The area being bridged consists of large muck pockets leading to long pile lengths. Steel pipe piles were designed to facilitate splices and installation of the pile bents. The superstructure is AASHTO Type III beams. Mr. Schwier is the Lead Engineer and the Project Manager for this project.

PROFESSIONAL EXPERIENCE:

AREAS OF EXPERTISE:

- *Utility Coordination*
- *Inspection*

1970 - 2011 (Career)

2010 - Present (LPA)

Manager - Utilities Coordination
THE LPA GROUP INCORPORATED

Mr. Payne has more than 40 years of experience as a utility coordinator. During his 30 years of service with FOOT, he received the Rolfe Mickler Award for Diligence and Support of FDOT and made significant contributions to the organization. Mr. Payne served as a direct liaison coordinating contact between utility owners, counties and municipalities, governmental agencies, local utility coordinating groups and drainage districts. This included initiating contact with utility companies for scheduled road projects involving utility adjustment or relocation of existing facilities; reviewing and approving utility engineering proposals, plans, specifications, construction schedules and estimates; preparing necessary legal agreements governed by federal and state regulations and statutes; negotiating acquisition of utility easements as involved with various proposed construction projects; coordinating/advising/reviewing highway improvement planning, design criteria and plans as regarding utilities, with departmental design units and consultant engineering firms considering such things as economics, compliance with Federal Highway Administration Program Manual, Utility Accommodation Guide, and all other governing policies; arranging and conducting Pre-Design conferences between FDOT and all utility agencies to ensure that the utility agencies' proposed design and construction work will properly scheduled and coordinated with FDOT's proposed design and construction work; initiating and compiling utility cost study during preplanning stage for inclusion in project design study report; processing all right-of-way easement and property rights of utility agencies. He also coordinates preparation of, review and recommending approval of utility permits on construction projects; processes necessary documents for certification of projects for advertisement and award of contract.

Mr. Payne acted in the above advisory capacity at pre-construction meetings between FDOT, utility agencies and the highway contractor to minimize any delay in construction of the project; assisted resident and project engineers with utility problems during construction; coordinated documentation of utility relocation work with auditors for documentation of invoices for utility adjustments; coordinated interoffice programming of planning, design maintenance permits, easements, agreements, etc., with FDOT offices of Planning, Design, Maintenance, Construction and Right-of-Way, insofar as it affects utility organizations; prepared all utility invoices for documentation by construction forces and submits to Fiscal for payment; coordinated with Production Management in scheduling of utility activities.

Project experience prior to joining LPA includes:

- ☐ January 2009 to September 2010 – PBS&J – Senior Utility Coordinator – FDOT – District 2 – General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for 35+ DOT production/construction projects. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducted on-site meetings, ensured utility compliance with FOOT regulations, and inspected utility construction and relocation operations.
- ☐ April 2000 to December 2008 – Earth Tech/AE COM – Utility Coordination/CEI Department – Manager – FDOT – District 2, General Engineering Consultant Contract, Florida. Managed the coordination of utility companies for more than 70 construction projects, as

PROFESSIONAL EXPERIENCE
(Continued):

well as supervised the inspection of the specific utility work schedules. Identified utility agencies and owners on construction projects, negotiated with utility agencies and owners, conducts on-site meetings, ensures utility compliance with FOOT regulations, and inspected utility construction and relocation operations. Supervised seven CEI inspectors, one utility coordinator and one utility office assistant.

- 1970 to 2000 – FDOT – Utility Coordinator
 - FDOT – District 2, Fuller Warren Bridge, Duval County, Florida. Utility coordinator for the reconstruction of 1.6 miles of bridges and ramps.
 - FDOT – District 2, Acosta Bridge, Duval County, Florida. Utility coordinator.
 - FDOT – District 2, 1-75 Widening and Reconstruction, Marion County Line to Georgia State Line, Florida. Provided utility coordination with as many as 12 utility agencies in two counties along the corridor.
 - FDOT – District 2, SR 15 (Riverside Avenue) Widening and Reconstruction, Edison Avenue to Acosta Bridge, Jacksonville, Florida. Provided utility coordination with as many as 7 utility agencies in Duval County.
 - FDOT – District 2, SR 207 Widening and Reconstruction, US 17 to 1-95, Putnam/St. Johns County, Florida. Provided utility coordination with as many as 7 utility agencies in these counties.
 - FDOT – District 2, SR 500 Widening and Reconstruction, US 19 to Marion County Line, Levy County, Florida. Provided utility coordination with as many as 10 utility agencies in Levy County.
 - FDOT – District 2, SR 9A Design-Build, J. Turner Butler Boulevard to Beach Boulevard, Jacksonville, Florida. Provided utility coordination with as many as 5 utility agencies in Duval County.

TRAINING:

Earth Tech Health & Safety Training

- 01 - Safety Orientation 01/22/2008
- 02 - Hazard Communication (US) IWHMIS (Canada) 12/22/2005
- 03 - Defensive Driving Awareness Training 05/12/2008
- 04 - Defensive Driving 4-Hour Course 02/28/2007
- 13 - Field Safety 4-Hour 03/06/2007
- 14 - Office Ergonomics Training 04/24/2007
- Employee Substance Abuse Training 05/29/2008
- ETUSA Southeast District Safety Metrics 09/25/2007

Training and Certifications

- Asphaltic Concrete
- Soils
- Contract Plans Reading
- Construction Inspection Mathematics
- Drainage
- Concrete Materials
- Contract Encumbrance
- Payment Processing
- 0.1. Teams
- Put-It-In-Writing Course

QUALIFICATIONS:

B.S., Mechanical Engineering, 1988
Missouri University of Science and Technology

A.A., 1983
Three Rivers Community College

REGISTRATION:

Professional Engineer (FL #50484)

PROFESSIONAL EXPERIENCE:

1975 - 2011 (Career)
June 2009 - 2011 (LPA)

Senior Project Manager
THE LPA GROUP INCORPORATED

Mr. Ivy has worked in private consulting civil engineering and related fields since 1975, and as a group leader/project manager since 1994. Ivy joined THE LPA GROUP in June 2009 as a Senior Project Manager in the Tampa office, and is working on and providing oversight and expertise on multiple general civil engineering projects throughout the state of Florida and the Southeastern U.S. His project experience includes many different types of civil engineering projects of all sizes in planning, design and construction phases. Ivy possesses a strong understanding of the engineering and construction industry, having now been in it for more than 36 years. Also, having worked throughout the United States along with some overseas experience lends valuable knowledge. The types of projects Mr. Ivy has worked on in the past include water, wastewater and reclaimed water transmission and treatment; natural gas and anhydrous ammonia pipelines, pumping and process piping; transportation including roadway and bridge design; land development including drainage systems design and permitting; civil site engineering and permitting; extensive permitting from federal, state, city, county and other agencies such as improvement districts, railroads and other entities.

Typical project experience includes:

- Restore Biloxi - Infrastructure Repair Program – Area 07: Buena Vista East Phases I & II, Biloxi, Mississippi (2009-2011) – Senior Project Engineer doing engineering for the rehabilitation of water, sanitary sewer, storm sewer infrastructure in the Buena Vista East project area. Area 7: East Buena Vista is comprised of U.S. Highway 90, Water Street, Howard Avenue, and Peyton Avenue, as well as other streets that intersect these main thoroughfares. Responsible for civil engineering design, coordination with project team, preparation of construction drawings and specifications, permitting, bidding, and construction administration.
- City of Zephyrhills, Florida – Downtown Stormwater Retention Pond and Pump Station Improvements – (2009-2010) Project Engineer for design and preparation of construction plans and specifications for the renovation of the downtown stormwater retention pond and pumping station which serves and isolated drainage basin.
- Tampa Bay Pipeline Company, Ammonia Pipeline Main Extension, Port Sutton Road, Tampa, Florida (2009-2010) – Project Manager and Engineer of Record for a proposed Ammonia Pipeline main extension project to connect two separate ammonia delivery facilities/pumping stations at Port Sutton, which is a part of The Port of Tampa.

AREAS OF EXPERTISE:

- **Project Management**
- **Stormwater Management**
- **Project Engineering**
- **Civil Site Engineering / Permitting**
- **Design**
- **Oversight / Scheduling**
- **Construction Phase Services**

**PROFESSIONAL
EXPERIENCE**
(Continued):

- Penn Tank Lines, Tampa, Florida (2008-2009) – Project Manager and Engineer of Record for the conversion of existing 10-acre tract and building into New Penn Tank Lines Trucking Facility Building and Site Appurtenances. Services included comprehensive civil site engineering including City of Tampa site plan approval, paving and drainage, water and watershed, and other miscellaneous engineering and related tasks. Penn Tank Lines uses tractor-trailers for the hauling of fuel.
- Florida Department of Environmental Protection Recreation and Parks Department, Hillsborough River State Park, Hillsborough County, Florida (2008-2009) – Project Manager and Engineer of Record for professional consulting services for proposed parking and stormwater management improvements. Project purpose is to restore natural drainage patterns and provide improvements to the water quality of the stormwater runoff into the Hillsborough River. The project is jointly funded by FDEP and SWFWMD.
- Natural Gas Main Extension, Fort Pierce, Florida (2006-2007) – Engineering and permitting for a 4,000 foot-long, 20" diameter Natural Gas Pipeline project to deliver natural gas to a new power plant being constructed by Florida Municipal Power Association (FMPA).
- Tampa Bay Pipeline Company & Tampa Electric Company, Ammonia Pipeline Main Extension, South Hillsborough County, Florida (2005-2007) – Engineer of Record for a 10-mile Ammonia Pipeline project to deliver ammonia to the Big Bend Power Plant for the SCR process. Permits were obtained for numerous CSX railroad crossings, numerous subaqueous pipeline crossings including the Alafia River and Bullfrog Creek, FDOT, Hillsborough County, SWFWMD, Port of Tampa, and EPC.
- Natural Gas Gate Station Projects, Fort Myers, Palatka, Tampa, and Manatee County, Florida (2003-2008) – Senior Engineer responsible for civil site engineering, mechanical piping design, and construction phase services for Natural Gas Gate Station projects throughout the State of Florida.
- Vandolah Natural Gas Main Extension, Hardee County, Florida (2003) – Engineer of Record and Project Manager for design and construction phase services for a seven-mile Natural Gas Pipeline project. Design, permitting, and construction was completed in record time (April to August 2003). Gas Main was put in operation in August 2003. Project was also well within budget.

**PROFESSIONAL
MEMBERSHIPS:**

National Society of Professional Engineers
American Society of Civil Engineers
Florida Natural Gas Association
Florida Engineering Society
Florida Utilities Coordinating Committee
Greater Tampa Utility Group
Rotary International

**ADDITIONAL
TRAINING:**

Underground Storage Tank Management, University of Wisconsin – Madison
Seismic Design of Highway Bridges, National Highway Institute, USDOT, FHWA, Imbsen and Associates, Inc. Engineering Consultants

**PROFESSIONAL
EXPERIENCE:**

1983 - 2011 (Career)

2002 - 2011 (LPA)

**Public Involvement Manager
Florida Surface Transportation
THE LPA GROUP INCORPORATED**

Mrs. Pfuntner has 28 years of experience in community involvement, public relations, business development, marketing, CADD management and production, graphics and manual drafting and survey processing in virtually all disciplines of engineering including roadway, drainage, site, environmental, landscape, signing and pavement marking, signalization, surveying and mapping (including R/W mapping). She is responsible for planning and implementing effective public involvement plans, public meetings, public speaking presentations and creating and distributing valuable communication materials, and informative websites for transportation and recreational projects, as well as business development, plans production supervision, preparation of man-hour estimates and project scheduling. She is familiar with the FDOT CAP criteria and characteristics of the Level of Impacts for transportation projects.

Ms. Pfuntner's extensive FDOT plans production expertise and graphics experience allow her to create literature and graphics, which effectively and accurately convey aspects of transportation or recreational projects to the public and stakeholders. She excels in interpersonal and organizational skills with effective communications, negotiations, analytical and problem solving skills.

LPA Project Experience:

- SR 95 from Pace Boulevard to Brent Boulevard for FDOT District Three – Public Involvement Manager for milling and resurfacing of one-mile segment of four-lane urban roadway.
- Districtwide Community Awareness for FDOT District Five – As Project Manager, Bonnie is responsible for coordination, development, implementation, notification and conducting public meetings/workshops and public involvement activities, such as presentations and meeting exhibit preparation for District Five's in-house design projects.
- SR 10 (US 90) Mahan Drive, from Dempsey Mayo Road to Walden Road in Leon County for FDOT District Three – Community awareness for the reconstruction and widening of a 3.1 mile existing 2-lane rural highway to a 4-lane divided highway in Leon County. Duties include development of the Community Awareness Plan – CAP Level II, and organizing/conducting public meetings. Also included is conducting coordination with property owners and FDOT regarding impacts and controversial changes in the access classification.
- SR 30 (US 98) Navy Boulevard Bayou Chico Bridge Replacement, in Escambia County for FDOT District Three – Community awareness at a CAP Level II for the replacement of the existing bridge with a 180' long bridge. This project's initial public meeting resulted in public input requesting a revised design to raise the horizontal clearance an additional 7' to allow for better boat access to and from the Bayou Chico. An additional public meeting was held to convey the raised bridge design which FDOT approved. The project also included coordination with property owners and FDOT regarding impacts of the raised profile grade of the bridge approaches.

AREAS OF EXPERTISE:

- *Public Involvement*
- *Presentation
Materials/Graphics*

**PROFESSIONAL
EXPERIENCE**
(Continued):

- SR 500 (US 192) Indian River Relief Bridge Replacements, in Brevard County for FDOT District Five – Community awareness at a CAP Level II for the development of a Design-Build Criteria Package. This project's public involvement activities included two agency meetings and one public meeting in addition to the development of the scope and CAP for the Design-Build RFP.
- Blueprint 2000 and Beyond General Engineering Consultant Contract – As Public Involvement and Public Information Manager for a \$800 million transportation infrastructure program, Ms. Pfuntner was responsible for management of the Public Involvement Program and supervision of the Public Information Officer and the Public Relations subconsultant. The Public Involvement Program includes development of Community Awareness Plans, organization and coordination of all project public meetings and hearings, and database management for public comment and commitment tracking on all projects. Other duties include web site development, press releases, media information and correspondence, and public speaking events. Additionally, she was responsible for production of project concept reports for seven transportation and stormwater improvement projects.
- SR 61 (US 319) Crawfordville Road from SR 30 (US 98) to Lost Creek Bridge, in Wakulla County for FDOT District Three – Community awareness for the reconstruction and widening of an existing 2-lane rural highway to a 4-lane divided highway that will include both a rural and urban section in Wakulla County. Duties include development of the Community Awareness Plan, and organizing/conducting three public meetings in the community. Also included is conducting coordination with property owners and FDOT regarding impacts of the future right-of-way. This project's public involvement aspects are being coordinated with two other design projects underway along the same corridor, adding two levels of coordination. This level of coordination adds continuity and is improving awareness county wide.
- Monticello By-Pass Corridor Study, in Jefferson County for FDOT District Three – Developed Community Awareness Plan, organized and conducted several public meetings in the community. Performed various data gathering activities for input into the socio-economic impact analysis.
- SR 20 (US 27) Milling and Resurfacing, in Jefferson County for FDOT District Three – Developed Community Awareness Plan.

Representative projects prior to LPA include:

- Florida's Turnpike Traffic General Consultant Contract - As a subconsultant to the GEC on two consecutive 5-year contracts, Ms. Pfuntner participated in public hearings held around the state. In this capacity she created presentations and graphic display boards, organized meetings for various types of public hearings and meetings, including renderings of noise walls and toll plazas.
- City of Tallahassee Continuing Services - Participated in public meetings to build awareness and consensus, created graphics and presentation materials for public meetings on several projects, which included renderings of stormwater facilities, roadway improvements and recreational enhancements to corridor projects.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Professional Credentials

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

Professional Organizations

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

Special Qualifications

- Over 30 years of Geotechnical design and investigation experience, including roadway studies, bridge designs and groundwater control
- Highly-skilled consensus builder on controversial projects
- Familiarity of FDOT Geotechnical Standards
- Familiarity of Construction Requirements and Techniques

Years Experience with EGS: 19

Years Experience with Other Firms: 16

Relevant Experience

Leon County, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to Leon County under a General Service Contract. The tasks have included the Geotechnical analysis for the design life of existing culverts, culvert extensions, mast arm installation, slope evaluations, base failures, lane additions, structural foundations and stormwater pond designs. In addition, the services have included the analysis and remediation of several karst features

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Relevant Experience, cont.

Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District 3, Chipley, FL – Provides miscellaneous services to the Florida Department of Transportation under a General Service Contract. The tasks have included the Geotechnical analysis for roadway design, culvert extensions, bridge foundations, bridge repair, mast arm installation, slope evaluations, base failures, lane additions and stormwater pond designs.

Capital Cascade Sinkhole, Blueprint 2000 and Beyond – Conducted an emergency geotechnical investigation and design for a sinkhole which formed during construction of a stormwater management facility. The site was a listed EPA Superfund location because of known buried coal tars; therefore, the sinkhole posed both an environmental and constructability problem. The project included the use of ground penetrating radar, as well as soil borings, to evaluate the subsurface conditions in 3 dimensions to verify the "throat" of the sinkhole. A remedial solution was then design and approved by EPA. This project has been awarded the local APWA Emergency Project of the Year and has been nominated for the State Award for 2011.

Lake Munson Sediment Evaluation, Leon County, Department of Public Works - Conducted the geotechnical investigation to evaluate the depth of sediment within Lake Munson as part of a Munson Slough Drainage Improvements Project. The investigation was conducted to map the natural lake bottom, and to determine the type of soils to be dredged and disposed of. In addition, the constituents within the sediments were analyzed to determine if they could be disposed of in a permitted Construction and Debris Landfill, or if they would require special handling due to contamination.

SR 263 (Capital Circle), Leon County, Blueprint 2000 and Beyond – Conducted the geotechnical investigation for the widening of 5 segments of Capital Circle, from I-10 at Capital Circle Northwest to the intersection of Capital Circle Southeast and Apalachee Parkway. The widening design included recommendations for lane additions, mast arm design, slope stability and retention wall design, culvert replacements and extensions, and stormwater treatment facilities. Extensive investigations into the potential of impact as a result of karst (sinkhole) formations were included.

SR 79, Washington County, FDOT District 3, Holmes and Washington County, FL (FDOT FPN 220773-32-01, Sections 3, 5, 6, 7 and 8) – Conducted the geotechnical investigation for five (5) sections of the SR 79 reconstruction and widening project in Washington and Holmes County, Florida. The geotechnical design for the roadway included asphalt coring, parameters for pavement design, analysis for culvert extensions and recommendations for swale exemptions and stormwater ponds. Also included in the project was the bridge and embankment design for the SR 79 bridge replacement over Holmes Creek and the bridge replacement over Reedy Branch Creek.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E.
Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971
Bachelor of Science, Civil Engineering, Oklahoma State University, 1977
Master of Science, Civil Engineering, Kansas State University, 1979
Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter
Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow
American Public Works Association
National Society of Professional Engineers
Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

- Over 25 years of environmental design and permitting experience, including natural features, wetland delineation, environmental impact, and environmental management
- Highly-skilled at regulatory agency coordination
- Familiarity of Northwest Florida Water Management District, Florida Department of Environmental Regulation, U.S. Army Corps of Engineers, Leon County Permitting Requirements

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

Leon County, Department of Public Works, General Service Contract – Provides miscellaneous services to the County under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

City of Tallahassee, Department of Public Works, General Service Contract, Tallahassee, FL – Provides miscellaneous services to the City of Tallahassee under a General Service Contract. The tasks have included the environmental permitting for transportation projects, park and recreational facilities, and other public works projects. In addition, the services have included numerous Phase I Environmental Site Assessments for land acquisition.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Natural Bridge Road over the St. Marks River Bridge Replacement, Leon County, FDOT District 3 - Served as project manager for environmental permitting for Natural Bridge Road over the St. Marks River, an Outstanding Florida Water. The project included obtaining the following Leon County Growth Management Permits: Natural Features Inventory Permit, the Environmental Impact Analysis Permit, the Leon County Public Infrastructure Variance, and the Environmental Management Permit. In addition, permitting for wetland impact was obtained through the joint submittal of the ERP application with the FDEP and the ACOE.

SR 261 (Capital Circle SE), Leon County, Blueprint 2000 & Beyond – Completed the environmental permitting for the widening of Capital Circle from two lanes to 4 lanes from Tram Road to Woodville Highway. The widening design included recommendations for lane additions and stormwater treatment facilities to minimize impact to the natural features within the area. The permitting agencies included the City of Tallahassee, Growth Management Department (Natural Features Inventory Permit, Environmental Impact Analysis Permit, and Environmental Management Permit), US Fish and Wildlife Service (Gopher Tortoise Relocation Permit), and the Northwest Florida Water Management District (Environmental Resource Permit).

Eastern Transmission Line, Phase I and Phase II, City of Tallahassee - Completed the environmental permitting for the construction of twenty (20) miles of the Eastern Transmission Line for the City of Tallahassee, Electric Department. This project included close coordination with the City of Tallahassee, Growth Management Department, the Electric Department, the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers and the Northwest Florida Water Management District. The design route included the southern fence line of I-10 between the SR 319 and the SR 10 (Mahan Drive) interchange, west along Mahan Drive to Weems road, then south to substation BP-9 on Apalachee Parkway. The project included acquisition of the following permits: City of Tallahassee and Leon County – Natural Features Inventory, Environmental Impact Analysis, Environmental Management Permit; Florida Department of Environmental Protection – Dredge and Fill Permit, Stormwater Discharge Permit; U.S. Army Corps of Engineers – Nationwide Permit; and Northwest Florida Water Management District – Environmental Resource Permit.

Capital Cascade Trail Master Plan, Blueprint 2000 & Beyond - The Capital Cascade Trail project is a flood relief and greenways plan for a 5.2 mile corridor through Tallahassee, Florida. This project includes the planning and design for trails, parks and greenway amenities in combination with the stormwater aspect of flood control for the St. Augustine Branch and the Central Drainage Ditch. EGS worked with the Genesis Group to prepare the Natural Features Inventory Permit and participated in numerous public workshops.

Lake Elberta Park, City of Tallahassee - The Lake Elberta Park project included the environmental permitting and design for bike trails and picnic shelters to be constructed at the Lake Elberta Regional Stormwater Management Facility. This project included close coordination with the City of Tallahassee, Parks Division. Permits included the City of Tallahassee, Growth Management Department applications for the Natural Features Inventory, the Environmental Impact Analysis and the Environmental Management Permit.



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Jason D. Hill, PSM
Survey Project Manager

Jason Hill has 23 years of experience in surveying and mapping, working primarily on Florida Department of Transportation projects for the past 16 years. His experience encompasses: design surveys; right-of-way surveys; horizontal and vertical control surveys, topographic surveys; including utilization of electronic field book; jurisdictional delineation; and geodetic and construction surveying. As a Project Manager he has the responsibility of managing multiple projects, ensuring detailed attention and quality assurance to each one. His duties include: client contact; scheduling, manpower allocation; quality control and project budgets. Mr. Hill has worked with various city and county governments, the Florida Department of Transportation, and a variety of private sector clients.

KEY PROJECTS

FDOT 3 SR 61/US 319 (Leon) 4246091 from Timberwolf Crossing to the Georgia State Line: Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL: Mr. Hill is the Project Manager for this project which consists of sixteen areas covering twenty-five square miles, which require location, identification and mapping of stormwater infrastructure. This is the second phase of a complete city-wide stormwater infrastructure inventory mapping project of the City of Tallahassee's stormwater WFR.

FDOT 3 Bellview & Bauer Bridge in Escambia County: Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 CR10 US 90 (Walton) 4246131 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

FDOT 3 SR20 (Leon County) 423067-1 Jason is the Project Manager for this project for which 3DS is providing surveying services for the 3R project These services included typical 3R cross-section and data collection of utilities, drainage and 2D planimetrics

FDOT 3 SR30A (Bay County) 219312-1 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 3D topographic survey.

City of Tallahassee/Blueprint 2000 Capital Circle NW/SW: Mr. Hill provided surveying services for the full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Holmes 4252772 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project. These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 Group 10-7 Bridge Projects (Leon) 424609-1-32-01 Jason was the Project Manager for this project for which 3DS provided surveying and mapping services for design and construction for Bridge replacement. These services included an topographic survey and preparing a Control Survey map.

FDOT 3 SR8 (I-10) Walton 4252771 Jason was the Project Manager for this project for which 3DS provided surveying services for the 3R project These services included an 2D topographic survey including drainage structures and cross sections.

FDOT 3 SR 291 (Escambia) 4153781 Jason was the Project Manager for this project which included boundary location for the preparation of a control survey.

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, Certification No. 6008



2734 Capital Circle NE, Florida 32308
Phone: 850/385-1133
Fax: 850/385-1236
Website: www.dddsinc.com

PROFESSIONAL RECORD

Pamela W. Nobles, PSM
President

Ms. Nobles has been involved in surveying and mapping since 1991 and is the owner of Diversified Design & Drafting Services, Inc. (3DS), which specializes in finished topographic maps for use in engineering design. Ms. Nobles oversees all aspects of both Surveying and Photogrammetry operations by serving as Project Manager and Principle-in-Charge for both divisions as well as Business Manager for the Company. She also spends considerable time contributing and promoting the profession of Surveying and Mapping. She has served on the Florida Board of Professional Surveyors and Mappers, serving three years as chair. With this tenure, she helped institute and write a photogrammetric exam for licensure in the State of Florida. Ms. Nobles also participates on the National Council of Examiners of Engineers and Surveyors Exam Committee for Professional Surveyors as a Subject Matter Expert.

PROJECT HISTORY

Capital Circle NW/SW, 2006 – 2010, H.W. Lochner Engineering, Inc.
Tallahassee, Florida

Is serving as *Project Manager* for this full topographic design survey of 250 feet of existing and proposed right-of-way along with complete right-of-way mapping for acquisition along the entire corridor from 500 feet south of Tennessee Street to Orange Avenue in Leon County, Florida. This project also includes wetlands and boundary surveys for several pond sites along the corridor.

Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phases 1 and 2, 2006/2011, Woolpert
Tallahassee, Florida

Served as *Principle-in-Charge* for both phases of this project. Phase 1 of this project consisted of four pilot areas and required location, identification and GIS mapping of stormwater infrastructure. The purpose was to assess the costs, approach and resources needed to complete a stormwater infrastructure inventory for the City of Tallahassee. The information was used to update the County's GIS database. In 2009, 3DS was awarded Phase 2 of this project which consisted of sixteen additional areas covering twenty-five square miles, which required location, identification and mapping of stormwater infrastructure

Leon County GPS/LIDAR Mapping, 2005 to 2009, Merrick Engineering Co.
Tallahassee, Florida.

Principle-In-Charge of this complete Blue Booking project involving GPS control network, target control and mapping check points for LIDAR mapping. This project create the initial database for the entire GIS system for Leon County. This system included planimetrics, contours and parcel mapping. 3DS has held the contract along with Merrick, Inc. for all updates performed since the initial program began.

FDOT 3 SR 61/US 319 from Timberwolf Crossing to the Georgia State Line, H.W. Lochner Engineering, Inc.
Leon County, Florida

Principle-In-Charge for this project for which 3DS provided surveying services for the 3R project. Tasks included 2D planimetrics using photogrammetry.

Panama City Airport Authority Mitigation Project, 2008 – 2011, St. Joe Company
Panama City, Florida

Currently serving as *Principle-in-Charge* for this project for which 3DS is producing color infrared mosaic photography to determine and document the health of various trees and foliage. 3DS is also providing horizontal and vertical geodetic control throughout the project area to support orthophoto production. On a bi-annual basis 3DS is providing oblique flights and photography of the project area as well.

FDOT 3, Design Group 07-2, SR61 and SR363, George & Associates, Inc.
Tallahassee, Florida

Principle-In-Charge of this full design and DTM survey of the Four Points area in Tallahassee. These were multi-lane intersection surveys in support of 3R design.

EDUCATION

University of Florida, Gainesville, Florida.
Surveying and Mapping BS

PROFESSIONAL ACHIEVEMENTS

Professional Surveyor and Mapper, State of Florida, 1996, Certification No. 5645
Professional Land Surveyor, State of Alabama, 2006, Certification No. 27945-S
Board Member: Board of Professional Surveyors and Mappers Department of Agriculture and Consumer Services, Oct 2009 – Present.
Board Member: Board of Professional Surveyors and Mappers Department of Business and Professional Regulation. 2000-2008. Board Chair, 2001 – 2005; Board Chair 2002 – 2005; Vice Chair – 2001

Education/Training

BS / Land Surveying / 1981 / University of Florida

Registration/Certification

PLS / FL - 1983 / #4179

PLS / LA - 2009 / #5023

Experience

35 Years

Professional Affiliations

- Florida Surveying and Mapping Society
- American Congress on Surveying and Mapping
- National Society of Professional Surveyors
- American Association for Geodetic Surveying

Expertise

As Senior Project Manager of Cardno TBE, Mr. Thie is responsible for the acquisition and management of Surveying and Mapping multi-year contracts and individual projects in North Florida, Alabama, Mississippi, Arkansas and Louisiana. Over the course of his career, Mr. Thie has managed hundreds projects relating to all aspects of the surveying profession. This experience has given Mr. Thie the ability to oversee projects from conception to completion. He is able to anticipate challenges before they arise and find creative and innovative solutions, assuring projects are delivered on time or ahead of schedule and in a cost-efficient manner.

Mr. Thie extensive experience throughout the Southeastern United States includes, but not limited to: Boundary, GLO Retracement, Mean High Water, Right of Way, Horizontal and Vertical Control, Transportation Design, Subsurface Utility and Hydrographic surveys.

Over the course of his career, Mr. Thie has provided surveying and mapping services to Federal, State and Local Government agencies including Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), United State Army Corp of Engineers (USACOE) and the St. Johns River Water Management District (SJRWMD) to name a few.

Mr. Thie spent eight years as the Survey Consultant Project Manager with FDOT District II. While at the DOT, Mr. Thie oversaw the execution and completion of eight district wide Surveying and Mapping and Subsurface Utility Engineering contracts. This first-hand experience gave Mr. Thie a complete understanding of District II's requirements and procedures for completing all aspects of surveying relating to transportation facilities. Mr. Thie was also involved with the development and testing of the Department's Electronic Field Book (EFB) software during his DOT tenure.

Key Project Experience

I-10 Davis-Scenic Final Design / FDOT District III / Escambia County, FL. Cardno TBE is providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. |

Mid-Bay Connector Phase II and III / FDOT District III / Okaloosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits. In total, Cardno TBE designated approximately 25,600 linear feet of underground utilities and completed approximately 40 test holes.

District Wide Surveying Contract / FDOT District II / Multiple Counties, FL. On an on-call, task work order basis, Cardno TBE provides Surveying and Mapping as well as Subsurface Utility Engineering services.

Drainage Improvements / FDOT District II / St. Johns County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to determine the horizontal and vertical position of the underground utilities within the project limits.

Statewide Surveying and Mapping Services / FDEP / FL. On a task work order basis, Cardno TBE provides miscellaneous surveying and mapping services.

District Wide General Engineering Contract / FDOT District II / Multiple Counties, FL. As task work orders dictate under this multi-year contract, Cardno TBE provides control, alignment and design surveying services. We also provide designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering.

I-295 from Common Wealth to Trout River / FDOT District II / Duval County, FL. Cardno TBE is completing control and design survey services as well as providing designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 20 and Hawthorne Road / FDOT District II / Alachua County, FL. Cardno TBE completed control and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15/US 17 / FDOT District II / Duval County, FL. Cardno TBE completed control, alignment, and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR AIA / FDOT District II / Nassau County, FL. Cardno TBE completed control, alignment and design surveying services as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Putnam County, FL. Cardno TBE completed a control survey as well as provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface

Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits. Cardno TBE completed approximately 40 test holes to map a fiber optic cable.

SR 15/US 17 at Wells Road / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 15 at 5th Avenue (Callahan) / FDOT District II / Nassau County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 100 / FDOT District II / Clay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

I-75 / FDOT District II / Hamilton County, FL. Cardno TBE provided Surveying and Mapping services to recover and densify primary and secondary horizontal and vertical control as well as completing a topographic survey within the project limits.

SR 200 / FDOT District II / Alachua County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

Education/Training

MA / Construction Engineering and Management / 1980

BS / Civil Engineering / 1971 / Auburn University

Registration/Certification

PE / 2006 / FL / #65392

PE / 2008 / LA / #0033815

PE / 2006 / AR / #11084

PE / 2005 / MS / #16853

PE / 1990 / VA / #0402 021467

Navy Contracting Officer

Certified Acquisition Professional

Experience

39 Years

Professional Affiliations

- Florida Utilities Coordinating Committee
- American Society of Civil Engineers
- Society of American Military Engineers

Expertise

As the Director of Cardno TBE's North Florida Business Unit, Mr. Allen directs all Subsurface Utility Engineering, Surveying and Mapping and professional Utility Coordination projects in North Florida, Alabama, Mississippi and Louisiana.

Mr. Allen's experience providing Subsurface Utility Engineering services includes the management multi-year contracts and hundreds of individual projects. He has an outstanding record for the quality of his team deliverables and for delivering project on-time or ahead of schedule.

He is proficient with the latest industry technology, as well as developing and implementing successful management strategies. Mr. Allen is an original member of the American Society of Civil Engineers (ASCE), Standards Committee charged with creating the *National Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data* (CI/ASCE 38-02).

Key Project Experience

Thomas P. Smith WRF Improvement Project / City of Tallahassee Water Utilities Department / Tallahassee, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits of this plant expansion project. We mapped approximately 110,000 linear feet of underground utilities within the 30 acre design site and completed 217 conflict test holes to identify and facilitate the relocation of existing subsurface utilities. Our Subsurface Utility Engineering efforts on this project involved the identification of many different types of gas, sewer and water lines all involved in the treatment of wastewater. The design engineer provided a very specific framework for us to use during data collection and design file preparation. We successfully conformed to their requirements and mapped a very intricate web of subsurface utilities. Thanks to our efforts, they were able to design around many utilities and save the project owner dollars they could then use on other improvement projects. Cardno TBE also provided Surveying and Mapping services which included densification of traverse control and mapping the stormwater and gravity sewer systems within the plant.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to map the precise horizontal and vertical position of underground utilities within the project limits.

SR 263 Capital Circle SE / City of Tallahassee, FL. Cardno TBE provided locating (ASCE Quality Level A) verification for existing water and sanitary sewer facilities on Capital Circle for the widening of SR-263. TBE researched a five year-old FDOT project for the widening of Crawfordville Highway in order to re-establish the precise location of an existing 30" transite/AC

sanitary force main at the Crawfordville intersection.

City Sewer Plant on Capital Circle / City of Tallahassee, FL. To assist with the planning of expansion alternatives for the Plant, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to verify the horizontal location of existing underground electric, natural gas, telephone, control wiring, water, and process piping.

Thirty-inch Sanitary Force Main Bypass / FDOT District III / Tallahassee, FL. Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services for the design and construction of a new 30" bypass sanitary force main. Where the force main crossed SR-10/US-90 Mahan Drive in Tallahassee; we avoided numerous communications, water, and natural gas underground facilities.

SR 313 (formerly SR 312 extension) from SR-16 to US-1 / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

Multilane Reconstruction of SR 369 from Wakulla County Line to LL Wallace Road / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 8/I-10 Rest Areas / FDOT District III / Leon County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 79 from North of Cypress Creek Bridge to Holmes County Line / FDOT District III / Washington County, FL. For this multi-lane reconstruction project, Cardno TBE provided

designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30 (US 98A) / FDOT District III / Bay County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 87, Segment 4 / FDOT District III / Santa Rosa County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering to map the precise horizontal and vertical position of underground utilities with the project limits.

SR 83 (US 331) from Choct. Bay Relief Bridge to South of SR 20 / FDOT District III / Walton County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 30/US 98 from S. of 9th Street to ICWW Bridge / Gulf County, FL. Cardno TBE provided designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.

SR 8 (I-10) from East of SR 291 (Davis Highway) to East of SR 10A (US 90) / FDOT District III / Escambia County, FL. For the multi-lane reconstruction project widening SR 8(I-10) from four lanes to six lanes from East of SR 291 to East of SR 10A; Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) Subsurface Utility Engineering services to the map the precise horizontal and vertical position of underground utilities within the project limits.



3. If the respondent is not a joint venture, list outside consultants anticipated to be used on this project. When listing consultants, give the respective specialty of the firm. Standard form SF330 may be used for consultants, if desired.

TECHNICAL EXPERTISE

LPA has assembled a well qualified Team to complete any potential assignment. Our office is conveniently located off Apalachee Parkway in Leon County and we have staff members with previous experience with the County. By using established local subconsultants with the technical expertise, we can stretch your dollars by minimizing travel costs. Our survey and geotechnical crews are local. Our entire Team lives and works in Leon County. For Parks and Recreational Facility Engineering services we have teamed with two Leon County/City of Tallahassee certified Minority/Women Owned Business Enterprises with which we have a long established relationship.

Environmental and Geotechnical Specialists, Inc.

104 North Magnolia Drive, Tallahassee, Florida 32301
Phone: (850) 386-1253, Fax: (850) 385-8050



The M/DBE firm of **Environmental and Geotechnical Specialists, Inc. (EGS)** provides the specialty services associated with environmental and geotechnical engineering. EGS is highly qualified and has an outstanding work experience in northern Florida. EGS specializes in the areas of environmental permitting, environmental site assessments, contamination assessments and geotechnical investigations and designs. The staff at EGS has been providing professional services in this area since 1992. EGS is dedicated to providing exceptional services at competitive rates.

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS' professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. All subsurface investigations and recommendations are coordinated with the Project Manager to assure an investigation is focused on the project issues. All team members are familiar with the requirements for geotechnical evaluations and report submittals.

EGS also has a professional and knowledgeable staff experienced in providing environmental assessments and engineering solutions to various construction related environmental problems encountered during the planning, engineering and design phase of the projects. EGS' staff is familiar with the regulatory requirements of the Northwest Florida Water Management District, the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers. The results of EGS' investigations are presented in a focused engineering report prepared by a licensed professional engineer.

3DS

2374 Capital Circle NE, Tallahassee, Florida 3230
Phone: (850) 385-1133, Fax: (850) 385-1236



3DS has extensive experience in geodetic control surveys, boundary surveys, construction layout, as-built surveys, CEI surveys, right-of-way surveys and wetland jurisdiction surveys. One of the things that makes 3DS unique is that many of these surveys can be performed either traditionally or through photogrammetric methods.

3DS is prequalified with the Florida Department of Transportation and is a Leon County / City of Tallahassee certified Minority/ Women Owned Business Enterprise.

Services Include:

- Geodetic Control Surveys
- Blue Booking Control Networks
- Topographic Surveys (conventional, photogrammetric, LiDAR)
- LiDAR data processing
- Orthophotos
- Wetland jurisdictional surveys
- Airport Surveys
- Mobile LiDAR feature extraction
- High Definition Scanning



Cardno TBE

2804 Remington Green Circle, Suite 4, Tallahassee, Florida 32308
Phone: (850) 385-8232, Fax: (850) 385-8233



Cardno TBE provides clients the highest quality Subsurface Utility Engineering, Three-Dimensional Underground Imaging, professional Utility Coordination, Utility Design and Surveying and Mapping services available.

Throughout the United States and Internationally, Cardno TBE associates are actively involved with industry associations and take part in the research and development of industry standards and guidelines. Due to this and extensive practical experience, their associates are sought internationally for speaking engagements.

Cardno TBE began providing Subsurface Utility Engineering in 1993. Annually, Cardno TBE successfully completes, on average, 11,000 test holes and 5,000,000 linear feet of designating. They have more Subsurface Utility Engineering professionals, equipment and vehicles than any other engineering and design firm, making Cardno TBE the largest Subsurface Utility Engineering provider in the world.

Cardno TBE's staff includes professional, registered surveyors and engineers, survey technicians and field crews. Each associate is focused on maintaining cutting-edge, quality service. Using sophisticated equipment and technology, their professionals prepare 2-D maps and/or 3-D digital files as needed for the task at hand. Applications include federal, state, county and city government continuing service contracts and stand-alone private and public projects.

They are an energetic firm committed to providing innovative and sustainable solutions. Cardno TBE is one of the few firms who have not only embraced the principles and techniques of Total Quality Management (TQM), but use TQM to continually examine and improve their internal processes and procedures to help implement their vision. In fact, 90% of their clients surveyed indicate they would recommend them to someone else for their services. This demonstrates their commitment to quality.

Cardno TBE is currently ranked 9th on *Trenchless Technology's* Top 50 Design Firms (2009) and #137 on *Engineering News-Record's* (ENR) List of Top 500 Design Firms (2010) and is the recipient of numerous industry and civic awards, including;

- 2006 North American Society for Trenchless Technology (NASTT) Industry Achievement Award for Cardno TBE's contribution over the past 15 years in the development and support of the trenchless technology industry
- Federal Highway Administration (FHWA) 2009 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2007 Excellence in Utility Relocation and Accommodation/Innovation Award (multiple categories)
- FHWA 2006 Excellence in Utility Relocation and Accommodation/Innovation Award

Headquartered in Clearwater, Florida, Cardno TBE has over 40 offices providing services throughout the United States, Canada, United Kingdom, China and Puerto Rico. For more information about Cardno TBE, visit www.CardnoTBE.com. Learn more about Subsurface Utility Engineering at www.SubsurfaceUtilityEngineering.com.



B. EXPERIENCE WITH PROJECTS OF A SIMILAR TYPE AND SIZE

1. *List the projects in the Work Category which best illustrate the experience of the firm and current staff which is being assigned to this project. (List no more than 10 projects, nor projects which were completed more than five (5) years ago.) a) Name and location of the project b) The nature of the firm's responsibility on this project c) Project Owner's representative name, address and phone number d) Project user agency's representative name, address and phone number e) Date project was completed or is anticipated to be completed f) Project manager and other key professionals involved and specify the role of each.*

See project summaries on the following pages.

FLORIDA KEYS OVERSEAS HERITAGE TRAIL FISHING PLATFORMS

Florida Keys

Owner: Florida Department of Environmental Protection
Office of Greenways and Trails

Construction Cost: \$560,000

Completion Date: 2008

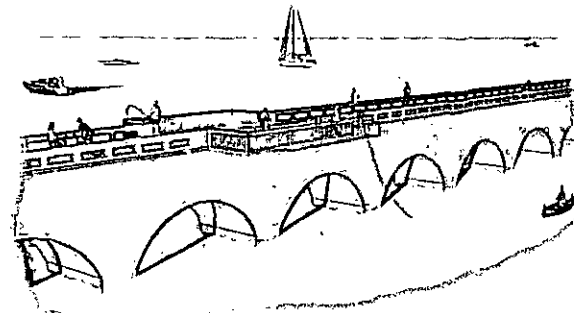
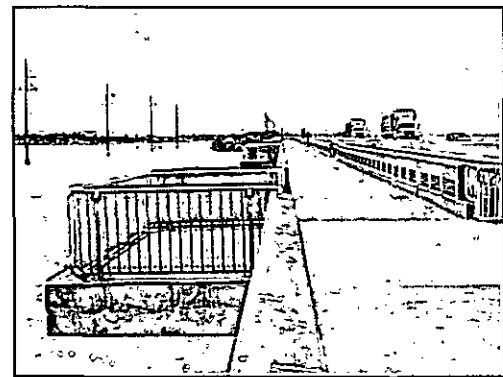
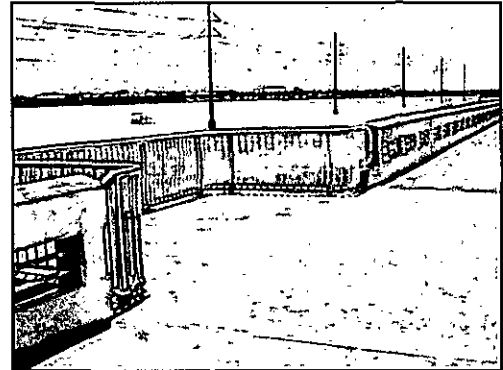
Scope of Services:

- Condition Inspection
- Rehabilitation Construction Plan
- Permitting
- Construction Administration

The Florida Keys Overseas Heritage Trail is a multi-use bicycle and pedestrian facility stretching the length of the Florida Keys beginning at Mile Marker (MM) 106.3 in Key Largo and ending at MM 0 in Key West. The Old Keys Bridges (Flagler Bridges) serve as a central component of the trail, providing opportunities for fishing, sightseeing, recreation and historical reflection. The bridges will also allow safe opportunities for alternative transportation uses of the corridor by allowing people to get from island to island, linking the different communities and their complimentary character. THE LPA GROUP performed condition inspections and developed rehabilitation plans for Park Channel Bridge at Mile Post 18.7. LPA is also performing construction administration services on this bridge as well as six others in the lower Keys. The rehabilitation plans included the repair to spalled and delaminated concrete, crack injection, milling and resurfacing of the asphalt overlay and joint repair.

CONTACT:

Mr. Todd McGee
Project Construction Manager
Florida Department of Environmental Protection
Office of Greenways and Trails
3900 Commonwealth Boulevard
MS 795
Tallahassee, Florida 32399
Phone: (850) 245-2070



Prepared For: **FDAP - Office of Greenways & Trails**
September 9, 2005
Florida Keys Overseas Heritage Trail
Historic Bridge Fishing Platform

CAMPBELL CONNECTOR

Tallahassee, Florida

Owner: City of Tallahassee

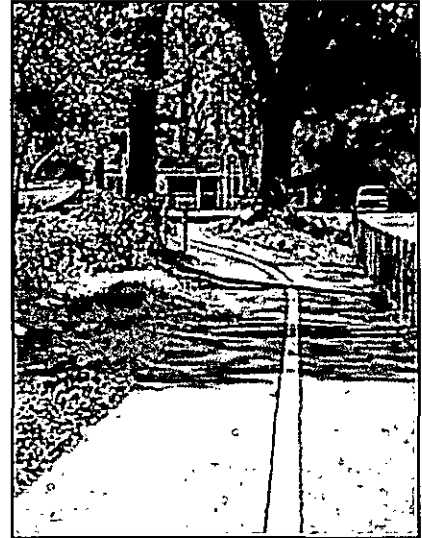
Completion Date: September 2010 (Design)
March 2011 (Construction)

Scope of Services:

- Full Design Service

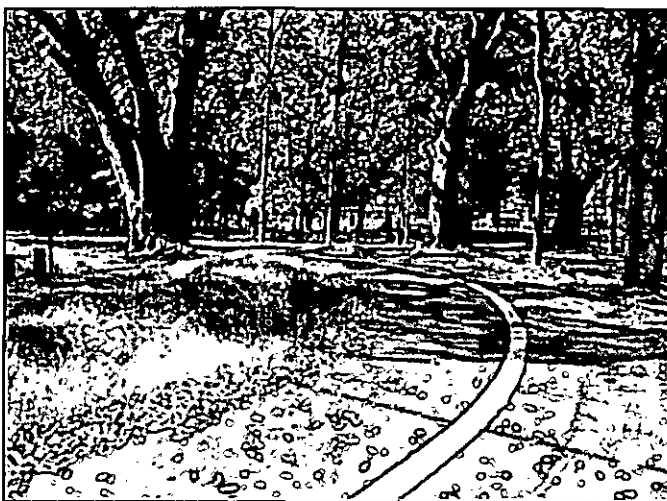
THE LPA GROUP provided complete design services for the COT Campbell Connector, providing a connective joint use path in the urban area of SE Tallahassee.

The services performed included Trail Alignment and full construction plan design, utility coordination, drainage, full contract letting documents, construction estimates and post design services. This project contained many design challenges that required multiple alignments in order to fit within a limited Right-of-Way and avoid or limit impacts to significant trees which are considered a valuable resource in Leon County.



CONTACT:

Mr. William Woolery
City of Tallahassee
300 S. Adams Street
Tallahassee, Florida 32301
Phone: (850) 891-8470



BLUEPRINT 2000 CAPITAL CASCADE TRAIL

City of Tallahassee / Leon County, Florida

Owner: BluePrint 2000
Intergovernmental Agency .

Construction Cost: \$18,000,000

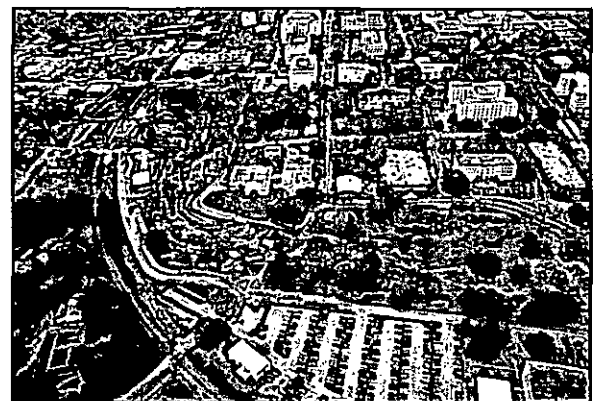
Completion Date: Ongoing

Recreational facilities have been planned and designed as a part of the completed park. THE LPA GROUP provided planning and design of recreational facilities with significant public input. Services were provided as the General Engineering Consultant for BluePrint 2000. The Capital Cascade Trail consists of four physically distinct segments that can generally be described as follows:

- A. Segment 1 – This segment is well known for its periodic flooding due to the restricted size of the concrete-lined section of the St. Augustine Branch located in the center of the boulevard. Franklin Boulevard is a Leon County roadway that is currently classified as a ‘minor arterial,’ which provides only vehicular use (no sidewalks or bicycle lanes).
- B. Segment 2 – This segment has a long and well-known history, from the early inhabitants of the region, to the founding of Tallahassee, through the Centennial Field era, to its current status as a contaminated site. With this history comes great opportunities to create a ‘downtown park’ amenity for the community that will not only serve as a focal point for downtown activities but a daily refuge for the citizens that live and work nearby. In addition, the park will provide improved habitat for the natural environment and stormwater capacity to relieve the chronic flooding problems along Franklin Boulevard and South Monroe Street.
- C. Segment 3 – The properties adjacent to Segment 3 can be characterized as both established and ‘in transition’ from one use to another. As with every segment of the project, the goals are multi-faceted, with the overall objective of providing a multi-use trail located within a greenway setting that will link smaller community parks along with the overall reduction of flooding and improvement of the water quality of the St. Augustine Branch. Connectivity to other bicycle/pedestrian routes and trails, and connectivity between campuses, has also been considered.
- D. Segment 4 – This segment is characterized by adjacent industrial and commercial uses and limited or non-existent Right-of-Way on the north to a more rural character on the south. Although the goals for this segment are consistent with the others, Segment 4 provides an increased opportunity to enhance the water quality of the Central Drainage Ditch basin prior to discharge into Munson Slough.

CONTACT:

Mr. Phil Maher
BluePrint 2000 Interim Executive Director
2727 Apalachee Parkway
Suite 200
Tallahassee, Florida 32301
Phone: (850) 219-1060



GAINESVILLE TO HAWTHORNE, RAIL TO TRAIL DOWNTOWN CONNECTOR DESIGN Gainesville, Florida

Owner: City of Gainesville

Completion Date: 2004 (Design)
2008 (Construction)

Scope of Services:

- Prepared full biddable engineering design drawings for a 1.54 mile length of abandoned rail corridor.
- Developed multi-modal crossing strategies and design for at least three trail crossing locations including SR 331 with over 45,000 vehicle per day.
- Conducted stakeholder public meetings.
- Developed a website updating citizens of the design and construction progress of the trail.

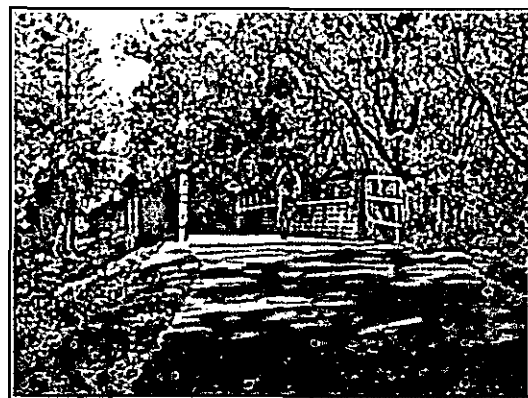
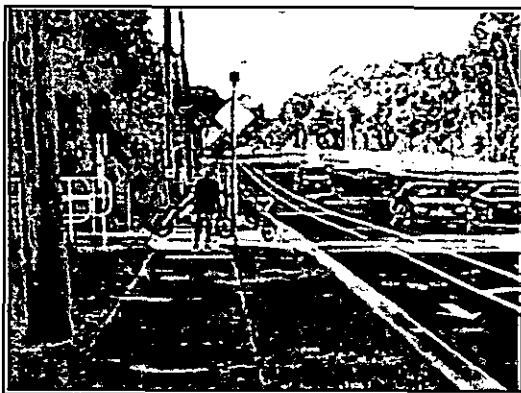
The City of Gainesville's Engineering Department has undertaken the task of re-claiming an abandoned rail line connecting Hawthorne to Gainesville via a 1.54-mile 12-foot-wide paved recreational trail connecting Downtown Gainesville to the Gainesville-to-Hawthorne Rail-Trail.

This project involved the establishment of complete design criteria for the trail and specific crossing treatments for three streets including SR 331 (45,000 vehicles/day). Further, because of the presence of Sweetwater Creek, the design included design and permitting of a 90-foot-long bridge. The design project has recently expanded to the 6th Street Trail involving at least 10 street crossings and the design of a roundabout at Depot Avenue.

CONTACT:

Ms. Teresa Scott, P.E.
City of Gainesville
P.O. Box 490, Station 58
Gainesville, Florida 32602-0490
Phone: (352) 334-5070

(Individual experience of Mr. Angelo Rao, P.E., while with another firm.)



MANHATTAN TRAIL DESIGN

Tampa, Florida

Owner: City of Tampa

Completion Date: 2008 (Design)
2010 (Construction)

Scope of Services:

- Prepared full biddable engineering design drawings for an approximately 1.5 mile length of park-adjacent corridor paralleling Manhattan Avenue.
- Developed multi-modal crossing strategies for the CSX railway line intersecting the project area.
- Conducted stakeholder public meetings.
- Established design criteria for the design of trails for the Parks and Recreation Department.

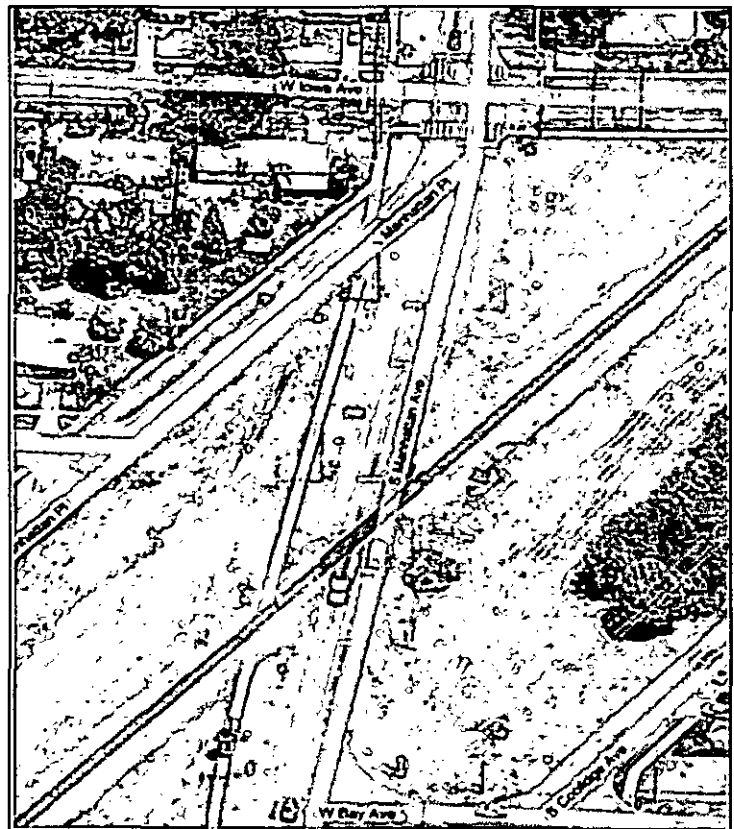
This project designed and engineered a 1.5-mile 10-foot-wide paved recreational trail connecting Interbay with Gandy Boulevard. The trail parallels a park system and required the crossing of a functional CSX rail line. Pedestrian and bicycle treatments were necessary to encourage safe operation by all non-motorized users.

This project involved the establishment of complete design criteria for the trail and specific crossing treatments for flood areas, residential and business locations, and specific existing trail-crossing.

CONTACT:

Ms. Karen Palus, CPRP
Tampa Parks & Recreation
3402 W. Columbus Drive
Tampa, Florida 33607
Phone: (813) 274-8615

(Individual experience of Mr. Angelo Rao, P.E.,
while with another firm.)



BAYSHORE BOULEVARD, BICYCLE TRAIL DESIGN

Tampa, Florida

Owner: City of Tampa

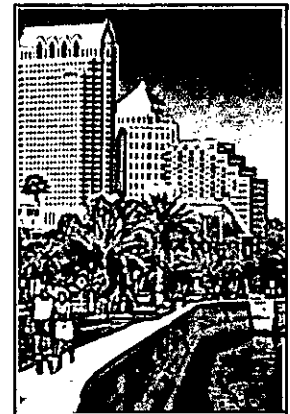
Completion Date: 2008 (Design)
2010 (Construction)**Scope of Services:**

- Developed a master concept for the portion of Bayshore Boulevard between Platt Street & Gandy Boulevard.
- Established pedestrian crossing points (intersections and mid-block).
- Developed formal bicycle lanes for the southbound direction.
- Designed a "road diet" strategy reducing the crossing distances for pedestrians and moderating traffic speeds.
- Established landscaping features design to beautify the corridor while ensuring a low-maintenance result.
- Provided detailed engineering design services for the portion between West Bay Street and South De Soto Avenue following the guidelines and recommendations of the Bayshore Boulevard Task Force.
- Conducted stakeholder public meetings.

The City of Tampa has embarked on a path to enhance the **City's Signature Street: Bayshore Boulevard**.

Tampa's Urban Core, in terms of both land use and transportation has sparked new interest in many of the City's key landmarks; Bayshore Boulevard is no exception. Many of the City's endeavors focus on new and significant residential and mixed-use development. The results will do much to reshape Tampa's landscape; mobility and accessibility play a major role in sustaining growth.

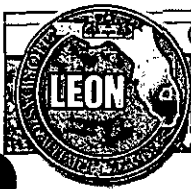
Bayshore's popularity as a multi-use urban corridor and as an unrestricted transportation route to downtown Tampa has created increased vehicular/pedestrian conflicts, and heightened concerns for the continued safety of the recreational users. The conceptual and engineering design plans were formulated utilizing the provision of a **SAFE, ACCESSIBLE, and MOBILE corridor for all users; OPERATION S.A.M.!** Utilizing this concept, the design team tested each of the corridor segments against this three-pronged tool. Only after ensuring that the SAM test passed for each element, did the design phase proceed to introduction into the final plans. The result: a plan that enhances the beauty of this signature street; provides safety for its users; ensures access for all citizens; and keeps traffic moving, albeit at more moderate speeds.

**CONTACT:**

Jean Dorzback, P.E.
Manager
City of Tampa
306 E. Jackson Street
Tampa, Florida 33602
Phone: (813) 274-8048



(Individual experience of Mr. Angelo Rao, P.E., while with another firm.)



2. Provide names and descriptions of projects for which the firm is presently under contract that demonstrate capabilities and qualifications for this work category.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

3. Describe the Firm/Joint Venture's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for this Work Category.

The LPA Team assures that current design standards and processes and procedures are followed for all projects by following an approved quality control procedure. All staff are trained in the QC procedures and all LPA project managers review the QC procedures to ensure that they are adhered to for all assignments.

QUALITY CONTROL/QUALITY ASSURANCE

LPA's Mission Statement requires delivering a quality product that exceeds our clients' expectations for accuracy, innovation, and timeliness. To ensure compliance with these requirements, LPA has established strict procedures to monitor the quality of the construction plans and other documents.

The issue of quality at LPA goes above and beyond production control of the actual documents and plans. LPA, through its association with the American Society for Quality Control and local area quality councils, is committed to the quality improvement process.

The responsibility for quality control rests with the Team's Project Manager. This leader is responsible for ensuring that all elements of the design receive the appropriate reviews (plans checking, quality reviews, and peer reviews). In addition to scheduled reviews, periodic reviews will also be performed by senior members of LPA who are not directly associated with the project. LPA's quality program not only incorporates the review and checking of documents and plans, but also recognizes the importance of continuous training of managerial as well as technical personnel.

The Quality Control Procedures for these projects include the following basic elements:

- **Pre-Project Meetings:** These meetings will be attended by all prospective team members to develop concepts and strategies that will guide development of the plans and specifications, define communication lines, delegate responsibilities, establish financial objectives, and set deadlines.



- Project Kickoff Meeting: After receiving the Notice-to-Proceed, the project team members will meet to discuss the scope and to plan for the Project Kickoff.
- Quality Reviews: The Senior Engineers will participate in every stage of the review process to minimize deficiencies, such as errors or omissions, which can result in rework and change orders during construction.
- Design Reviews: In addition to the Design Engineering reviews that will take place at the Preliminary and Pre-Final design stages, all design and plan production elements will be continuously checked during production for accuracy and adherence to the scope of the project.
- Final Review: This review will incorporate all comments from project team members, clients, and quality control reviews to create a library edition of the project documents that can be used for future training and reference.

Specific features of LPA's Quality Program include:

- Team Approach: All project team members will be involved from the beginning so that each member understands the project concepts and individual commitment and involvement are maximized.
- Database: In addition to utilizing the County's and FDOT's standards, details, and technical specifications, the project team is able to incorporate a vast number of construction details and supplemental specifications from LPA's database that has been gathered through many years of experience in road and bridge design.
- Project Accountants: Each project team includes a member of LPA's financial team who coordinates financial details for the duration of the project. Monthly reports will be submitted as required by the County.
- Constructability Review: A Senior Construction Manager familiar with the site and similar type projects will conduct a Constructability Review at the Pre-Final design stage. The results are shared with the project team so that pertinent issues can be incorporated into the final plans.

The project team members believe that applying each of the Quality Control elements listed above will allow LPA to provide a high quality product that meets the established schedule and addresses all tasks identified in the project scope. As illustrated in other sections of this proposal, the project team has historically been successful in delivering a quality product within schedule and within budget.

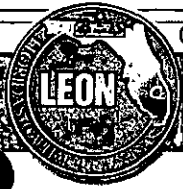
METHODOLOGY FOR CORRECTING ERRORS AND OMISSIONS

LPA believes and instills in its entire staff, the principle that the best method for preventing error and omissions in design and construction is a solid, well-articulated and effective Quality Control Program. Quality control and quality assurance in the design process help assure that errors and omissions in construction plans are eliminated. Errors or omissions detected in the design process during the quality control process are corrected prior to submission of the drawings. In the unlikely event that plans go to construction and an error or omission is detected, the following corrective action would be implemented:

1. Review and correct the error by revision to the plans.
2. Coordinate with the contractor for corrective action if the project is under construction.
3. Assure if possible that no delay to existing construction projects occur.
4. Review the error or omission to find the source, to find how it was not detected in the quality review process, and to implement corrective action to assure it does not reoccur.

As a back up and as required by the County, THE LPA GROUP INCORPORATED carries appropriate level of errors and omissions insurance. The insurance provides ultimate recourse to the County and provides protection to the County and the public against damages due to errors and omissions in design plans.

THE LPA GROUP INCORPORATED has no recent examples of projects in which the previous steps have had to been implemented. The LPA Quality Control Plan is an effective tool in the prevention of errors and omissions in design plans, and will be utilized on all County projects and assignments to prevent errors from occurring.

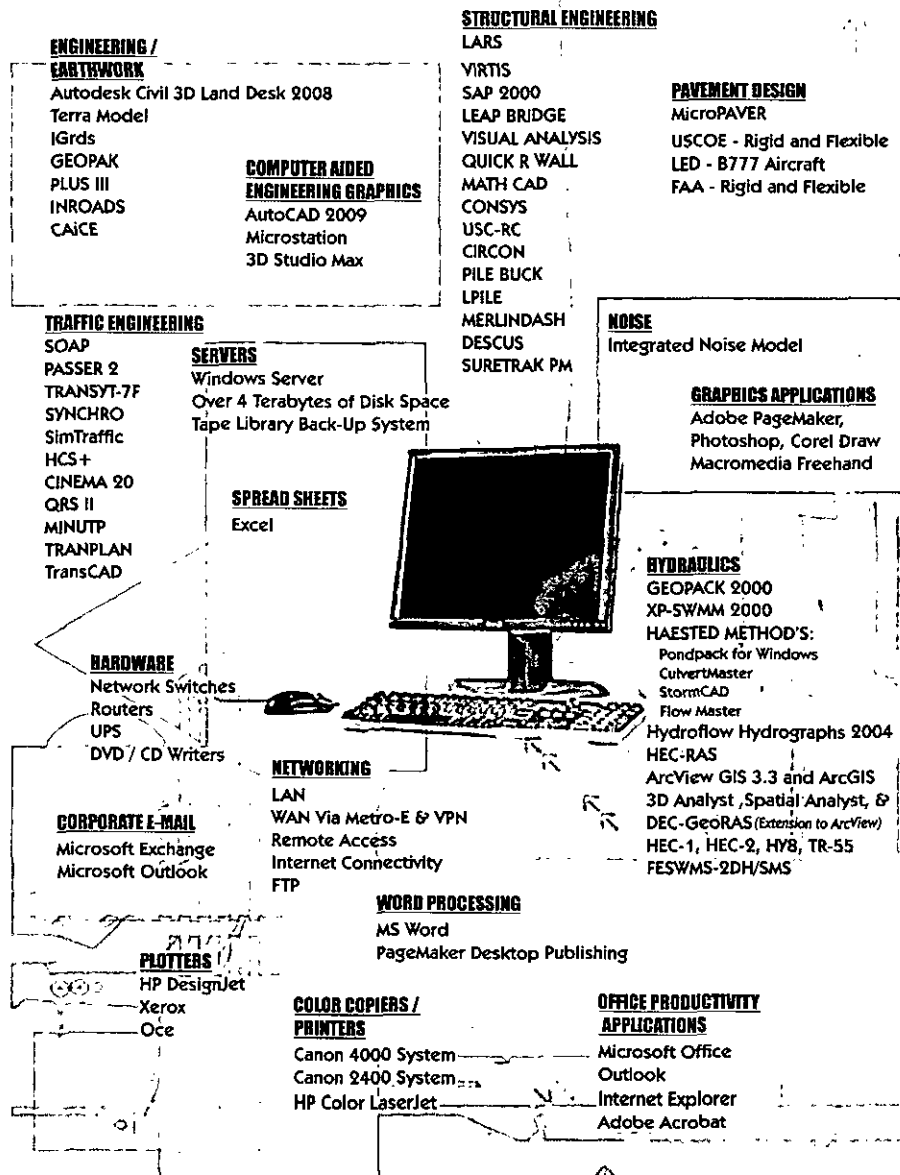


4. Describe basic and special resources available to the firm for the performance of the duties that may be assigned in this work category. Examples would be specialty software, equipment, computers, vehicles, etc.

COMPUTER RESOURCES

THE LPA GROUP INCORPORATED recognizes that Information Technology (IT) plays an essential role in the engineering, architecture, and planning process. We are committed to updating and maintaining state-of-the-art computer and networking capabilities in order to best serve our clients and improve our work process. We know that the utilization of computer technology by our qualified and talented personnel insures accuracy, enhances productivity, and lowers overall project and associated overhead costs.

All LPA offices are connected by a Wide Area Network (WAN) via a Frame Relay Network and Virtual Private Networking (VPN) connections through various Digital Subscriber Link (DSL) providers. In addition, all mobile users have access to all WAN resources using dial-up Internet accounts and VPN connections as well.





CURRENT DESIGN STANDARDS

The LPA Team is familiar and trained in the use of all appropriate design standards for any of the possible assignments under this contract. This includes FDOT and other state agencies, Federal and local design standards that may apply to each specific assignment. For each assignment, the LPA Team will prepare a Project Criteria Document. This document is prepared for every project and will specify which particular design standard and specific criteria within that standard will apply for each assignment. The Project Criteria Document will be completed and submitted to Leon County Public Works for concurrence prior to commencement of any work on a specific assignment.

CURRENT TRAINING

To supplement our design experiences and to stay current on recent technology and developments, our staff participates in conferences and seminars. The following is a list of conferences and seminars our staff has recently attended:

- Advanced Maintenance of Traffic (MOT)
- Utility Accommodation
- Long Range Estimates (LRE)
- Specification Package Preparation
- Errors and Omissions
- Microstation V8 Seminar
- FICE/ FDOT Design Conferences and Seminars

Use of the FDOT design requirements as established in the "Greenbook" will be employed, as well as AASHTO and FDOT Standard Indexes. Contractors have familiarity with these standards, and use of these will be to the County's benefit.



C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Given the fiscal constraints of local governments, and Leon County in particular, all budget requirements for projects to be assigned must be met. Describe your methodology for ensuring the schedule is met and for ensuring budget requirements are not exceeded.

The completion of successful projects require that the firm have a thorough understanding of the project schedule and the project budget and that quality design and construction documents are provided to Leon County. The LPA Team is committed to quality in all its assignments and will provide a product that exceeds Leon County's expectations for timely delivery and on (or under) budget design and schedule.

PROJECT SCHEDULE

THE LPA GROUP INCORPORATED will develop a detailed schedule for every project, highlighting the major work efforts with a breakdown of the sub-tasks and corresponding time periods and manpower required to complete the work. Successful completion of the project will necessitate continuous coordination between the County's Project Manager and LPA to ensure strict adherence to the County approved project schedule. The LPA Team will assure that this coordination occurs without burdening the County's staff.

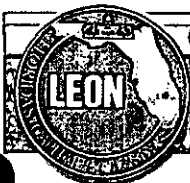
Depending on the type of project, several tasks may become critical to the schedule and the timely completion of the project. These tasks may include:

- Environmental Studies
- Geotechnical Exploration
- Design and R/W Surveys
- Traffic Analysis
- Drainage Analysis and Design
- Roadway Analysis and Design
- Bridge/Structural Plans
- Identification of Right-of-Way Requirements
- Utility Coordination and Utility Plans
- Cost Estimates

To ensure compliance with the schedule, crucial tasks will be identified early and multiple teams will be assigned to perform several tasks in parallel.

BUDGET

The LPA Team monitors project budgets continuously over the life of each assignment. Monthly, all LPA Project Managers report project status to their managers. This status evaluates project progress by reviewing the schedule and tasks completed to date. Each month a new 'estimate to complete' is prepared which estimates time and tasks necessary to complete the project. Project schedules are 'resource loaded' with the project budget, which provides a valuable tool to evaluate budget over its life. Monthly, the project is deemed either ahead, on, or behind schedule.



D. EFFECT OF FIRM'S RECENT, CURRENT AND PROJECTED WORKLOAD

1. Provide names and descriptions of projects for which the firm is presently under contract and the anticipated completion dates of those projects.

NAME	DESCRIPTION	CLIENT	EST. COMPLETION
Continuing Consulting Engineering Services	LPA is providing various Engineering Inspection assignments within the City's Capital Improvement Program.	City of Tallahassee	2012
General Engineering Consultant Services	Transportation / floodway / greenway improvement program, administered by City of Tallahassee and Leon County; LPA provides construction engineering support for all projects administered under the program.	BluePrint 2000 Intergovernmental Agency	2019
Civil Engineering Services, Continuing Supply	LPA is providing various Engineering and Inspection task assignments within the County's Work Program.	Leon County	2011
Continuing Consulting Engineering Services	LPA is providing various transportation design and post-design project assignments within the City's Transportation Improvement Program.	City of Valdosta	2012

2. Describe the firm's ability to absorb any projects resulting from this contract.

THE LPA GROUP is committed and available to provide engineering services for any assignment under this contract. LPA has the management tools in place to anticipate upcoming assignments and to assign appropriate staff to complete projects within approved schedules and on or under budget. Specifically, The LPA Team will provide Leon County with the following for these assignments:

FULL SERVICE CAPABILITIES

THE LPA GROUP INCORPORATED is fully capable of acting as an extension of the County's staff to administer all required engineering design services for the preparation of plans and specifications meeting the County's requirements. LPA's transportation experience encompasses a broad range of projects with variable complexities, including minor projects such as roadway milling and resurfacing and stormwater modeling. Major projects include the construction of limited access highways, interchange modifications, and complex bridge designs. The following is a list of LPA's pre-qualification work classes for the Florida Department of Transportation:

- 2.0 Project Development and Environmental Studies
- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Complex Highway Design
- 4.1 Minor Bridge Design
- 4.2 Major Bridge Design



- 5.1 Conventional Bridge Inspection
- 5.3 Complex Bridge Inspection
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3 Traffic Control Systems Analysis, Design, and Implementation
- 7.1 Signing, Pavement Marking and Channelization
- 7.3 Signalization
- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI
- 13.4 Systems Planning
- 13.5 Sub Area/Corridor Planning
- 13.6 Land Planning/Engineering

FAMILIARITY WITH PROJECT

LPA's key personnel have been involved with numerous projects similar to what may be assigned under this contract. We feel we have a clear understanding of the scope of the variety of these projects and can meet all of the County's needs. For a detailed description of our approaches and understandings, see the Section titled "F. Approach to the Project."

ABILITY TO MEET DEADLINES

The Firm has a proven track record in performing and meeting tight schedules. We fully understand that this is a high priority item with clients; therefore, we will meet all deadlines established for your projects. Our past successful experience with On-Call design services is a proven record of our commitment to meet deadlines.

WORK LOAD

The current and projected work commitments for the professional, technical, and supporting staff of LPA are low with respect to the capabilities of the staff to effectively prosecute additional work commitments. We are prepared to begin work on your projects immediately.

PROFESSIONAL INTEGRITY

LPA has been retained by municipalities throughout the United States to provide transportation consulting services. Many of these Clients are repeat clients who demand the utmost in professional integrity and competence from their transportation consultant.



E. EFFECT OF PROJECT TEAM LOCATION

Provide the location of where the project team will predominately reside to conduct the majority of work. If located out of the region, describe the plan for ensuring community involvement and on-site visits.

LPA's Tallahassee office, located off Apalachee Parkway in the Koger Center, is a 15 minute drive from the Leon County Public Works office on Miccosukee Road. All of our subconsultants are also located within the Leon County area. LPA's Tallahassee office is a full-service 25 person engineering office. The Tallahassee office was opened in 1995 and has operated continuously since then. The office can respond quickly to all of Leon County's project needs. Our Tallahassee production office will conduct all work efforts on engineering design services. This office is fully supported by other engineers and designers in Florida and throughout other offices in the southeast United States. Our corporate resources of over 2,900 employees in 85 offices guarantee that we have the available manpower needed to successfully complete this contract. All work efforts will be supervised and coordinated by our Project Manager, Michael Schwier, P.E., the Principal-In-Charge; Gerald Oshesky, P.E.; and the QA/QC Manager, Dan Selman. Each of these staff members are located in the Tallahassee office of LPA.

Our philosophy toward client service has generated a level of trust between LPA and our clients. This philosophy and manner of conducting business provides Leon County with the comfort of knowing that issues are appropriately handled in a professional manner and that you are kept informed of these issues as they arise. We benefit from a significant amount of repeat business, and many of our clients have rewarded us with multi-year, open-ended agreements.



F. APPROACH TO THE PROJECT

Present in brief, concise terms, a summary level description of the company's approach to accepting and completing any specific projects assigned under this contract.

The Tallahassee office of LPA is actively involved in several ongoing park and trail design projects in Leon and Wakulla Counties and across the state for other County and State Agencies. LPA's employees offer extensive experience in recreational trail design and construction and have the experience and expertise to manage and maintain this contract to the fullest extent while exceeding expectations.

DESIGN AND PLAN PREPARATION

The Project Team will begin the collection of data immediately after the Notice-To-Proceed is issued. This will include conducting a field review with the relevant team members; reviewing existing plans, and Right-of-Way Maps; reviewing drainage information; evaluating stormwater detention/retention requirements; and gathering other pertinent information.

Estimates of probable construction costs will be prepared during each design phase of the project. These cost estimates will allow the County and the Project Team to evaluate the construction budget, and to identify any areas of cost related concerns. It is imperative that a preliminary construction cost estimate is prepared to assess if the project can be constructed within the allocated budget. The Project Team is fully aware of continuous changes in material costs and product deliveries. We make every effort to contact local and regional contractors and suppliers to prepare a realistic project-specific construction cost estimate.

THE LPA GROUP INCORPORATED has provided construction management and inspection services on numerous projects for local and state governments. We understand the significance of our involvement during construction, including our immediate response in addressing issues that may impact safety, project cost, and schedule. The Project Team can provide assistance to the County during the bidding and construction phases of these projects, as requested by the County.

ENVIRONMENTAL ISSUES

If required, the Project Team will prepare environmental documents addressing issues such as:

- Adherence to all local Environmental Ordinances
- Protection of wetlands
- Protection/preservation of significant trees
- Federal endangered species
- Fish and wildlife
- Historical sites and buildings
- Archaeological resources
- Noise impact
- Hazardous waste
- Farmland Impacts
- Floodplain Encroachment

THE LPA GROUP INCORPORATED will utilize the expertise of our local Subconsultant, Environmental Geotechnical Specialists (a Leon County certified MBE), in addition to our in-house personnel, to address any environmental issues facing a particular project. Our firms have successfully completed several projects together, and have a long-term relationship with a commitment to quality.

All environmental work will be accomplished according to Leon County and City of Tallahassee environmental regulations.



COMMUNITY INVOLVEMENT

The commitment to our clients is a proactive public involvement program that invites public feedback; educates the community, including the media, on the issues being studied; supplies accurate project information; facilitates communication and coordination with residents, businesses, government partners and organizations; creates and distributes project information materials; and works to resolve public inquiries and issues.

The LPA Team is prepared to commit the necessary staff and support to exceed expectations and will represent you with the utmost professionalism and in accordance with established policies and procedures.

For larger projects, Web sites have been developed and maintained with links to local sites, and have experience in coordinating links to project plans and station-specific photos in an effort to supply as much information to the public as possible.

As a result of the participation in the Blueprint 2000 GEC program, the community involvement staff have developed extensive databases and contacts with County, City and State Public Information offices, as well as community activists of all causes. This results in an experienced, comprehensive approach to any of the County's task assignments that may warrant Community Involvement.

POST DESIGN SERVICES

A successful project does not end at the submission of final plans. LPA project managers pride themselves on the constructability of their projects and the limited amount of change orders. The Post design services offered by LPA and the LPA Team have proven to be invaluable cost and time savers to previous clients. Please refer to the "Construction Engineering and Inspection Services" Work Category for a detailed description of services.

BIDDING

THE LPA GROUP is fully capable of providing bidding phase services to the County. The bid process assistance LPA can provide can be any or all of the following:

- Prepare for and attend the Pre-Bid Conference;
- Prepare addenda as necessary;
- Respond to Requests for Information (RFIs);
- Attend the bid opening;
- Assist the County in tabulating and evaluating bids;
- Assist in the contract award and preparation of construction contract documents; and
- Contact local contractors to make them aware of the Invitation for Bid.