

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

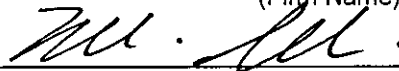
John Dailey, Chairman  
Leon County Board of County Commissioners

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

Post, Buckley, Schuh and Jernigan, Inc.  
(d/b/a PBS&J), an Atkins company

(Firm Name)

BY



(Authorized Representative)

Michael A. Scibelli, PE

(Printed or Typed Name)

ADDRESS

2639 North Monroe Street

Building C

CITY, STATE, ZIP

Tallahassee, Florida 32303-4027

TELEPHONE

850.575.1800

FAX

850.575.0105

**ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)**

Addendum #1 dated 03/03/2011 Initials MS Addendum #3 dated \_\_\_\_\_ Initials \_\_\_\_\_  
Addendum #2 dated 03/08/2011 Initials MS 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



an Atkins company

March 17, 2011

Leon County Selection Committee  
Proposal Number: BC-03-17-11-25  
Purchasing Division  
1800-3 Blair Stone Road  
Tallahassee, Florida 32308

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

Dear Selection Committee Member:

On behalf of our project team in Tallahassee, I would like to express our desire to continue to serve Leon County as one of your consultants for Continuing Supply of Civil Engineering Services. Our local office has more than 100 professionals that live and work in Leon County, and we wish to continue to assist you in making our community a great place to live.

PBS&J, an Atkins company, has a long history of serving Leon County and assisting with public works projects through our local office established more than 30 years ago. In that time, we have seen our community grow and become more complex in the number and types of services that our residents require. Our staff has grown as well in that time, and we are happy to report that our local office remains strong and capable of continuing to serve you according to the standards that you have come to know and expect from us.

We have always been respectful of the trust that you place in us when we are awarded an assignment, and we have endeavored to provide you with common sense solutions to the challenges that you face. We understand that our relationship with the County is based on honesty, and we consider our relationship a partnership, where together we develop win-win solutions for the citizens who rely on us daily to keep our community safe and operating efficiently.

We are proud of the high level of customer service that we have provided to Leon County during the past five years while working on the current continuing supply contract. We have been responsive to your needs and have given your schedules the highest priority. We try to anticipate your needs, and we understand that project funding is a limited resource that must be managed diligently. For these reasons, we humbly believe that we have established a performance record that makes it easy for Leon County to select PBS&J as one of its "go to" consultants. We have never taken our relationship for granted and we strive to earn your respect with each new assignment.

I look forward to continuing to serve as your client service manager and your project manager on select projects, and I look forward to the opportunity to present our qualifications and team members to you personally during the presentation phase of this process.

Sincerely,

Michael A. Scibelli, PE  
Associate Vice President



an **Atkins** company

March 17, 2011

Leon County Selection Committee  
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Purchasing Division  
1800-3 Blair Stone Road  
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Sincerely,

Michael A. Scibelli, PE  
Associate Vice President



## Contractor Information

*PBS&J's engineering practice is founded on the principles of integrity, reliability, and client service. With more than 50 years of experience, we understand the need to work cost efficiently—within budget and schedule—and have a reputation for going "the extra mile" to meet our clients' goals.*

### **1. Firm Name/Business Address/Office Location/Contact Information**

Home Office: **Post, Buckley, Schuh & Jernigan, Inc. d/b/a PBS&J  
an Atkins company**  
4030 West Boy Scout Boulevard  
Tampa, FL 33607

#### *Office Location*

Tallahassee Office: 2639 North Monroe Street, Building C  
Tallahassee, FL 32303  
850.575.1800

#### *Primary Contact*

**Michael (Mike) A. Scibelli, PE**  
850.575.1800  
mascibelli@pbsj.com

#### *Joint Venture*

N/A

### **2. Address of the Office that is to Perform the Work**

Tallahassee Office: 2639 North Monroe Street, Building C  
Tallahassee, FL 32303  
850.575.1800



# Civil Engineering Services



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

## Civil Engineering Services Project Management Team

**Michael A. Scibelli, PE**  
Stormwater Engineering  
Tallahassee

**M. Todd French, PE**  
Roadway Design  
Tallahassee

**Daniel J. Beaty, AICP**  
Traffic and Intersection Engineering  
Tallahassee

**David L. Conrad, PE**  
Structural Engineering  
Tallahassee

**Scott A. Zengel, Ph.D., PWS**  
Environmental Support Services  
Tallahassee

**Harry L. Wood**  
Construction Engineering and  
Inspection Services  
Tallahassee

**Michael A. Scibelli, PE**  
Subdivision and Site  
Development Engineering  
Tallahassee

**Robert L. Farley, RLA, LEED AP**  
Parks and Recreational  
Facility Engineering  
Tallahassee

**Michael A. Scibelli, PE**  
Utility Engineering  
Tallahassee

# B

## Executive Summary

PBS&J, an Atkins company, will provide Leon County with a full-service team to meet your requirements. For more than 21 years, PBS&J has provided Leon County with civil, transportation, traffic, and stormwater engineering; site development; environmental services; parks and recreational; and construction engineering and inspection services similar in size and scope to those requested currently. This includes the completion of more than 65 projects. Customer service to Leon County and its citizens is our number one priority. With direct experience working as your representative, we understand the unique concerns of the citizens of Leon County and that development can present many challenges to officials and the public. We are dedicated to exceeding your expectations. PBS&J will work with the County to provide the level of staffing necessary to successfully meet your needs.

### Firm Organization

Incorporated in Miami, Florida in 1960, PBS&J has continuously served governments, communities, and their citizens by enriching the quality of life. The Tallahassee office opened in 1976. With 80 offices and 3,100 employees across the United States, PBS&J is consistently ranked among the top U.S. engineering design firms by *Engineering News-Record*. PBS&J offers engineers and technical support staff who specialize in transportation planning and design, construction management, water/wastewater infrastructure design and master planning, plan review, environmental compliance, water resources, and geographic information systems (GIS). Our multidisciplinary capabilities allow us to develop project teams with broad-based experience that facilitate efficient project management and reduce time, costs, and risks for our clients.



#### Point of Contact

Mike Scibelli, PE  
2639 North Monroe Street  
Building C  
Tallahassee FL 32303-4027  
Phone: 850.575.1800  
Fax: 850.575.0105  
mascibelli@pbsj.com  
*\* Mike will be available for the entirety of this contract.*

Organized around technical services and geographic regions, our team has the ability to successfully combine our technical strengths with the advantages of local presence and experience. PBS&J offers our clients the stability of a firm that has developed strong ties with the communities in which we serve. Our depth of resources encompassing a multidisciplinary approach allows us to meet the challenges and specific requirements of each project.

### Submittal Organization

Understanding that Leon County requires a consultant with fluency in the full spectrum of services required by the County, PBS&J has assembled a multidisciplinary and local team with capabilities to address nine of the eleven advertised categories within the request for proposal (RFP): stormwater engineering, roadway design, traffic and intersection engineering, subdivision and site development, parks and recreational facility engineering, structural engineering, utility engineering, environmental support services, and construction management and inspection (CEI) services. PBS&J understands that some of the categories may overlap in required expertise, and has assembled a team with the capabilities to address the County's requested expertise. For purposes of organization and ease of readability, PBS&J has addressed qualifications for each discipline only within that particular disciplines qualifications and has not duplicated information.

### Local Team

As responsible citizens within the Leon County community, our proposed team is actively engaged in assisting the County to develop sustainable solutions. Additionally, our local presence ensures the County will receive a fast and efficient response. The Tallahassee office of PBS&J has more professionals than any other firm in the Tallahassee area. This allows Leon County to have a one stop shop with local, expansive, and diversified expertise. Close proximity additionally allows the client service manager, Michael Scibelli, PE, to be able to

respond both quickly and accurately to issues should they develop. A local team translates to lower design costs and faster service. Plans are produced with an understanding of local conditions and local materials, and permits are issued quicker because the local staff understands the City and County regulations and regulators.

As a local firm, the PBS&J team is available to attend any stakeholder, department, project, or additionally required meetings per your request and on limited notice. Our broad range of expertise will ensure that all issues are covered. We are familiar with local and regional issues, understand your requirements, and can represent the County when dealing with federal, state, or municipal issues.

Resumes for the key members of our local team have been included in each category proposal for your review. We have also included the total number of professionals who may be assigned to a category project. This number represents the total amount of local staff available and qualified to provide service in that category. Based on previous experience serving Leon County in this capacity, we believe that these professionals will be able to meet the needs of Leon County under this contract. However, PBS&J has the capacity to additionally expand the team should the project necessitate additional staff.

## **Subconsultants**

PBS&J has included service-area experts, including those in survey, geotechnical, and testing services, on our proposed team that will allow the team to better meet the requirements of each category. We have established relationships with all proposed subconsultants and proven experience working with them to complete similar projects. All understand the importance of delivering quality and responsive services on your projects. PBS&J will make every effort to utilize local, minority/women business enterprises (M/WBE), to help meet the intent of Leon County's M/WBE program. Information specifically related to subconsultants and their applicable experience can be found in each sector's qualifications.

## **Experience**

PBS&J has included a diversified array of related experience in a wide spectrum of disciplines. We are proud that much of this experience was gained working directly with Leon County. We are proud to list these projects for your review.

## **Schedule, Budget, and Workload**

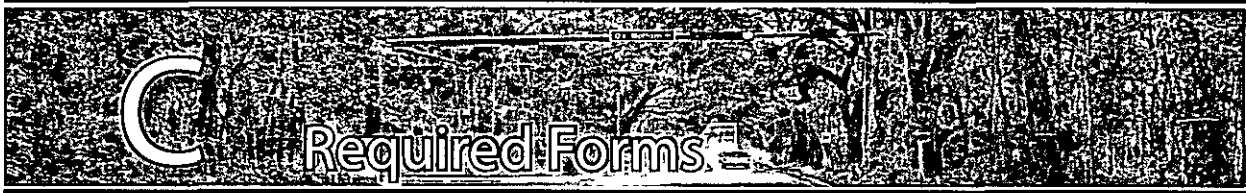
PBS&J understands that budgets are limited and maintaining schedules is a must. Our project management approach uses one point of contact, Mike Scibelli, to ensure that communications are clear and easy, budgets are met, and schedules are achieved. We have the ability to handle assignments from Leon County large and small, and a local staff that understands your expectations and will work hard to exceed them.

## **Approach**

Our approach, outlined in detail in each submittal, is summarized as follows: customer service is our first priority, maintain a single point of contact, use of extensive available resources, understanding and communication, project planning and schedule/cost control, and peer review and quality assurance plan.

## **Summary**

PBS&J has assembled a strong and local team and we look forward to the opportunity to discuss these exciting opportunities with you in more detail. Our assembled response is fair and completed in good faith without collusion or fraud. I have the authority to bind PBS&J for this contract and am authorized to make representations for PBS&J. Contact information is: Michael A. Scibelli, associate vice president/project director; PBS&J; 2639 North Monroe Street, Tallahassee, Florida 32303-4027; 850.575.1800, ext. 7877; 850.575.0105 (fax); [mascibelli@pbsj.com](mailto:mascibelli@pbsj.com).



*Required forms and relevant licenses are included in this section of our proposal.*

*Complete and submit the following forms: Affidavit Certification Immigration Laws; Equal Employment Policies; Insurance Certification Form; Certification Regarding Debarment, Suspension, And Other Responsibility Matters Primary Covered Transactions; and if applicable, the Local Vendor Certification form.*

## **Required Forms**

The following forms are included in this section per the requirements of the request for proposals (RFP):

- Affidavit Certification Immigration Laws
- Equal Employment Policies
- Insurance Certification Form
- Certification Regarding Debarment, Suspension, and Other Responsibility Matters Primary Covered Transactions
- Local Vendor Certification Form

## ***Licenses and Registrations***

The following licenses and registrations are also included in this section for your reference:

- Tallahassee occupational license
- Fictitious name registration
- Corporate charter filed with the Florida Secretary of State
- Florida Professional Engineer Certificate of Authorization

## 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. Post, Buckley, Schuh & Jernigan, Inc., d/b/a PBS&J

Name C. Ernest Edgar, IV  
Typed or Printed

Signature *C. Ernest Edgar IV*  
Senior Vice President

Date March 9, 2011

Title General Counsel  
(Company Risk Manager or Manager with Risk Authority)

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply  
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**EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT**

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

Signed:



Title:

Associate Vice President

Firm:

Post, Buckley, Schuh and Jernigan, Inc. (d/b/a  
PBS&J), an Atkins company

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

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
  - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
  - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust 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

\_\_\_\_\_  
Associate Vice President

Title

\_\_\_\_\_  
Post, Buckley, Schuh and Jernigan, Inc. (d/b/a PBS&J), an Atkins company

Contractor/Firm

\_\_\_\_\_  
2639 North Monroe Street, Building C, Tallahassee, Florida 32303-4027

Address



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**AFFIDAVIT CERTIFICATION  
IMMIGRATION LAWS**

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

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

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

Company Name: Post, Buckley, Schuh and Jernigan, Inc. (d/b/a PBS&J), an Atkins company

Signature: *M. M.* Title: Associate Vice President

STATE OF Florida  
COUNTY OF Leon

Sworn to and subscribed before me this 17<sup>th</sup> day of March, 2011.

Personally known X

*Nikita M. Williams*  
NOTARY PUBLIC

OR Produced identification \_\_\_\_\_

Notary Public - State of Florida

(Type of identification) \_\_\_\_\_

My commission expires: May 1, 2011  
Nikita M. Williams



NIKITA M. WILLIAMS  
MY COMMISSION # DD 669096  
EXPIRES: May 1, 2011  
Bonded Thru Budget Notary Services

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.**

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:
Current Local Address: 2639 North Monroe Street, Building C, Tallahassee, Florida 32303-4027
Phone: 850.575.1800
Fax: 850.575.0105
Home Office Address: 4030 Boy Scout Boulevard, Suite 700, Tampa, Florida 33607
Phone: 813.282.7275
Fax: 813.282.9767

Signature of Authorized Representative: [Signature] Date: 3/17/2011

STATE OF Florida
COUNTY OF Leon

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

By Michael A. Scibell, of PBS & J
(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 [Signature] as identification.
(type of identification) Signature of Notary

Return Completed form with supporting documents to
NIKITA M. WILLIAMS
MY COMMISSION # DD 669096
EXPIRES: May 1, 2011
Bonded Thru Budget Notary Services

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

Nikita M. Williams
Print, Type or Stamp Name of Notary
Title or Rank
Commission # DD 669096
Serial Number, If Any

2010-11

**CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE**  
**LOCAL BUSINESS TAX RECEIPT**

2010-11

TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011

**DBA:** PBS&J

**Account Number:** 39996

**Location** 2639 N MONROE ST BLDG 'C'

**Address:** TALLAHASSEE FL 323034027

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

**POST BUCKLEY SCHUH & JERNIGAN INC**  
**OFFICE MANAGER**

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



FLORIDA DEPARTMENT OF STATE  
Division of Corporations

October 23, 2008

**PBS&J**  
5300 W CYPRESS ST STE 200  
TAMPA, FL 33607

Subject: **PBS&J** Renewal Number: G08999081724

This will acknowledge the Fictitious Name Registration Renewal for PBS&J, filed on October 14, 2008. This renewal continues the original registration number - G98322900002 until December 31, 2013.

If the mailing address of this business changes, please notify this office in writing and reference the original registration number.

Should you have any questions regarding this matter you may contact our office at 850-245-6058.

Division of Corporations

/cw

P.O. BOX 6327 - Tallahassee, Florida 32314

# FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS



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## Fictitious Name Detail

### Fictitious Name

PBS&J

### Filing Information

<b>Document Number</b>	G98322900002
<b>Status</b>	ACTIVE
<b>Filed Date</b>	11/18/1998
<b>Expiration Date</b>	12/31/2013
<b>Current Owners</b>	1
<b>County</b>	DADE
<b>Total Pages</b>	3
<b>Events Filed</b>	2
<b>FEI Number</b>	59-0896138

### Mailing Address

5300 W CYPRESS ST STE 200  
TAMPA, FL 33607

### Owner Information

POST, BUCKLEY, SCHUH & JERNIGAN, INC.  
5300 W CYPRESS STREET STE 200  
TAMPA, FL 33607  
**FEI Number:** 59-0896138  
**Document Number:** 233840

### Document Images

- 11/18/1998 – REGISTRATION [View image in PDF format](#)
- 10/14/2008 – RENEWAL [View image in PDF format](#)
- 01/31/2003 – RENEWAL [View image in PDF format](#)

**Note:** This is not official record. See documents if question or conflict.

[Previous on List](#)   [Next on List](#)   [Return to List](#)

[Filing History](#)

[Fictitious Name Search](#)

# *State of Florida*

## *Department of State*

I certify from the records of this office that POST, BUCKLEY, SCHUH & JERNIGAN, INC. is a corporation organized under the laws of the State of Florida, filed on February 29, 1960.

The document number of this corporation is 233840.

I further certify that said corporation has paid all fees due this office through December 31, 2011, that its most recent annual report was filed on January 5, 2011, and its status is active.

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

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



*Jennifer Kennedy*  
*Secretary of State*

Authentication ID: 400189767754-010611-233840

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

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

Engineering

**State of Florida**  
 Board of Professional Engineers  
**Post, Buckley, Schuh & Jernigan, Inc.**

Is authorized under the provisions of Sections 471.01 through 471.05, Florida Statutes, to offer engineering services to the public through a Professional Engineer, as licensed under Chapter 471, Florida Statutes.

**Certificate of Authorization**

EXPIRATION: 2/28/2013  
 AUDIT NO: 228201300802

CA Lic. No: 24

Architecture

AC# 5408850 STATE OF FLORIDA  
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
 BOARD OF ARCHITECTURE & INTERIOR DESIGN SEQ# L1101101078

DATE	BATCH NUMBER	LICENSE NBR	THE STATE OF FLORIDA
01/11/2011	108154736	AA26001498	

The ARCHITECT FIRM Named below IS CERTIFIED Under the provisions of Chapter 481, FS  
 Expiration date: FEB 28, 2013  
 AS-A FICTITIOUS NAME


PBS&J  
 4030 W BOY SCOUT BOULEVARD  
 SUITE 700  
 TAMPA FL 33607

RICK SCOTT  
 GOVERNOR

CHARLIE LIEM  
 SECRETARY

DISPLAY AS REQUIRED BY LAW

Surveying

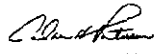


Florida Department of Agriculture and Consumer Services  
 Division of Consumer Services  
 Board of Professional Surveyors and Mappers  
 2905 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No: LB24  
 Expiration Date: February 28, 2013

**Professional Surveyor and Mapper Business License**  
 Under the provisions of Chapter 472, Florida Statutes

POST, BUCKLEY, SCHUH, & JERNIGAN, INC  
 ATTN: TAX DEPT.  
 4030 W BOY SCOUT BLVD STE 700  
 TAMPA, FL 33607-5713

  
 ADAM H. PUTNAM  
 COMMISSIONER OF AGRICULTURE

Landscape Architecture

AC# 4663544 STATE OF FLORIDA  
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
 BOARD OF LANDSCAPE ARCHITECTURE SEQ# L09100901792

DATE	BATCH NUMBER	LICENSE NBR	THE STATE OF FLORIDA
10/09/2009	098070397	LCC000052	

The LANDSCAPE ARCHITECT BUSINESS Named below HAS REGISTERED Under the provisions of Chapter 481, FS  
 Expiration date: NOV 30, 2011

POST, BUCKLEY, SCHUH & JERNIGAN, INC  
 5300 W. CYPRESS STREET  
 TAMPA FL 33607

CHARLIE CRIST  
 GOVERNOR

CHARLES W. DRAGO  
 SECRETARY

DISPLAY AS REQUIRED BY LAW

# State of Florida

Board of Professional Engineers

**Post, Buckley Schuh, & Jernigan, Inc.**



Is authorized under the provisions of Section 471.03, Florida Statutes, to offer engineering services to the public through a Professional Engineer, as licensed under Chapter 471, Florida Statutes.

## Certificate of Authorization

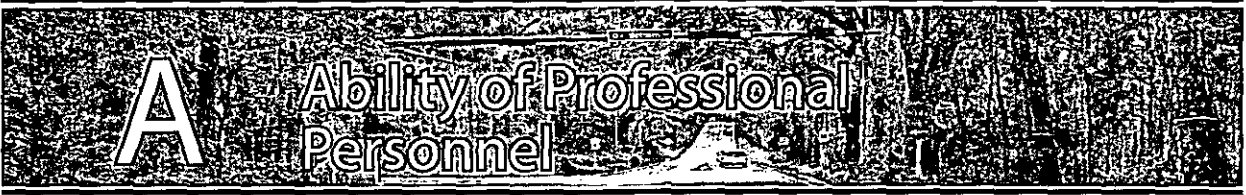
EXPIRATION: 2/28/2013

AUDIT NO: 228201300802

CA LIC NO

24





*Stormwater Engineering*

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Stormwater Engineering	8	8	59

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.*

*Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Stormwater Engineering													
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Basin Master Plans	FIRM Modifications	Watershed Retrofit Design	Habitat Restoration Planning and Design	NPDES Permit Support	TMDL Analysis	Stormwater Facility Retrofit Design	Review of Design Documents by Others	Expert Witness Services	General Assistance
Michael A. Scibelli, PE	Client Service Manager/Project Manager	Tallahassee, FL	14 (14)	■			■	■		■	■	■	■
Thomas L. Singleton	TMDL, NPDES, Watershed Management Plans	Tallahassee, FL	3 (31)						■				
Christopher R. Hack, PE	Senior Engineer	Tallahassee, FL	9 (21)	■				■		■	■	■	■
William K. Johnson, PE, PLS, CFM	Senior Engineer	Tallahassee, FL	15 (15)	■	■	■		■		■	■	■	■
Glenn C. Brown Jr., PE	Senior Engineer	Tallahassee, FL	11 (22)	■	■	■		■		■	■	■	■
Austin D. Carroll	Environmental	Tallahassee, FL	3 (8)				■						■
Norman F. Robertson, PE	Senior Engineer	Tallahassee, FL	7 (0)	■	■	■		■		■	■	■	■
Robert L. Farley, RLA, LEED AP	Certified Arborist	Tallahassee, FL	7 (27)				■						■

## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter & Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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**  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050  
  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### **HSA Consulting Group, Inc. (HSA) –**



**HSA Consulting Group**

HSA  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308  
ph. 850.309.7510  
fax: 850.309.0246  
Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions.. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### **HSA Local Experience**

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### **Nodarse & Associates, Inc. (N&A) – Geotechnical**

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for

most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter>Mitchell*  
117 South  
Gadsden Street  
Tallahassee,  
Florida 32301  
Ph. 850.681.3200  
fax 850.681.7200

### **Salter > Mitchell, Inc. – Public Relations**

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

### **Salter Mitchell Local Experience**

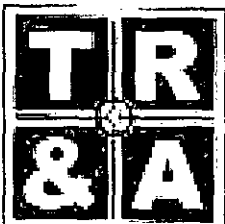
- Killearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations



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## ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

### **TR&A Local Experience**

- “M” Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

# Stormwater Engineering



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Michael A. Scibelli, PE**  
Project Manager  
Tallahassee

**Thomas L. Singleton**  
TMDL, NPDES, and Watershed  
Management Plans  
Tallahassee

**Christopher R. Hack, PE**  
Senior Engineer  
Tallahassee

**William K. Johnson, PE, PLS, CFM**  
Senior Engineer  
Tallahassee

**Glenn C. Brown Jr., PE**  
Senior Engineer  
Tallahassee

**Austin D. Carroll**  
Environmental  
Tallahassee

**Norman F. Robertson, PE**  
Senior Engineer  
Tallahassee

**Robert L. Farley, RLA, LEED AP**  
Certified Arborist  
Tallahassee

# Michael A. Scibelli, PE

**Client Service Manager, Project Manager**

**Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner**

**Years with PBS&J: 14**

**Years with other Firms: 14**



Mr. Scibelli will serve as the overall client service manager for all civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the primary client service manager for Leon County and he has served as the project manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for more than seven years and is committed to continuing to be Leon County's client service manager and a project manager to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA Big Bend chapter as Projects of the Year. One such project was the Killearn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1,300 residents of Killearn Lakes Plantation Units 1 & 2. The neighborhood experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5-percent of the County's original budget estimate. During the entire project, only one tree was removed after more than 100,000 feet of sewer pipe was installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the city limits. This project was permitted and built and the final cost was approximately 20-percent below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association  
Water Environment Federation (WEF)  
Society of American Military Engineers (SAME)

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the last 10 years**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

**Recent Leon County Projects:**

**Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

**Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

**Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

**Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killearn Lakes Sidewalks Design, Permitting & Construction Administration.

**Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

**Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

**Utility Engineering**

- Project manager for Killearn Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killeam Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# Thomas L. Singleton

*Task Manager, TMDL, NPDES, and Watershed Management Plans*

*Past Job Assignments: Project Director, Project Manager, Senior Technical Scientist*

*Years with PBS&J: 3*

*Years with other Firms: 31*



## Education

B.S., Biology, Florida State University, 1977

Graduate Fellow, Florida Natural Resources Leadership Institute, University of Florida/Florida State University, Charter Class, 1999

## Appointments

Virginia Chesapeake Bay TMDL Stakeholder Advisory Group, 2010

## Honors and Awards

Florida Natural Resources Leadership Institute, Florida State University/ University of Florida, Charter Class, Graduate Fellow, 1999.

American Institute of Architects, Honor Award for Urban and Regional Design, South Dade Watershed Project, 1999.

FDEP, Cooperative Team Awards, St. Marks River Watershed Pilot Project, 1997 and Suwannee River Work Group, 1999.

Keep Florida Beautiful Award, Citation for Outstanding Achievement, "Plant a Tree for Marjory" Campaign (Marjory Stoneman Douglas), 1992.

Leadership Gainesville, Florida XVIII, Participant, 1991.

Mr. Singleton serves as project director for the integrated water resources division. He is a recognized expert in TMDLs, NPDES, and watershed planning and management. He has 34 years of experience in land and water resource management in both the public and private sectors, including three years with PBS&J, with an emphasis on watershed planning and restoration. His experience includes the management, administration, and fiscal oversight of large, complex, water resource projects; facilitation, collaboration, and conflict resolution; program development and implementation; public education and training; state and federal grant writing; and data and information management. He has led diverse teams in addressing some of the most challenging land and water resource management issues, including water quality restoration, critical and sensitive areas protection, agricultural water use, wastewater reuse and disposal, pesticide registration and use, and post-hurricane restoration.

Before joining PBS&J Mr. Singleton served as the statewide TMDL Coordinator for the Florida Department of Environmental Protection (FDEP) for 12 years. In this capacity, he led stakeholder participation processes in support of developing and implementing TMDLs and directed a large team of professionals in all phases of water quality assessment, TMDL development and the development of Reasonable Assurance Documents (RAD) and Basin Management Action Plans (BMAP). He led the successful documentation of reasonable assurance for Tampa Bay, Lake Seminole, and Prairie and Joshua Creek, and directed the development, editing, and production of all reports produced by the TMDL program at FDEP, including the state's biennial water quality report to the U.S. Congress, water quality status and assessment reports, TMDL reports and implementation plans, RAD plans, BMAP, water quality monitoring reports, and Best Management Practice (BMP) manuals.

Mr. Singleton's previous experience included serving as a governmental representative and project manager for SFWMD in Coral Gables, Florida, for five years, where he directed the resolution of water resource issues in Miami-Dade County, Florida, and managed development of the agricultural mobile irrigation program, revisions to agricultural consumptive use permitting, stormwater master plans, and over \$8 million in water quality restoration projects. He also led the development of a regional watershed management plan to guide the rebuilding of south Dade after Hurricane Andrew in 1995. The project received the American Institute of Architects' Honor Award for Urban and Regional Design in 1999. From 1991-1993, he led a multi-agency task force that documented countywide deficiencies in the sanitary sewer system that resulted in a \$3 billion state and federal settlement with Miami-Dade County.

Mr. Singleton's PBS&J project experience includes:

**Project Name: Peace Creek Watershed Sustainable Water Resources Management Plan Development Services, City of Winter Haven, Florida.**

**Type of Project:** Watershed management plan

**Size of Project (dollar amount and scope):** \$85,344 / Interconnected network of lakes, canals, wetlands, aquifers, open spaces, and parks, designed to meet the long-term water resource needs of the community, including supply (water quantity), treatment (water quality), flood protection, and the preservation of natural resources. Adopted by the City in December 2010.

Thomas L. Singleton

Task Manager, TMDL, NPDES, and Watershed Management Plans

## Publications

Singleton, et al, April 2011.

"Sustainable Water Resource Management Plan: A plan for restoring and protecting the water resources of the Peace Creek Watershed and Winter Haven, Florida, USA." Atkins Technical Journal #6, paper 81.

Hampson, Bourne, and Singleton, January 2010: 13-15. "Return on Investment from New GIS Technologies for Water Resources Engineering, Science, and Planning." Water Resources Impact, American Water Resource Association.

Singleton, Brown, Pfahler, Wapnick, and Britt, November/December 2009: 20-33. "Sustainable Water Resource Management: A Conceptual Plan for the Peace Creek Watershed and the City of Winter Haven, Florida." *Stormwater Magazine*.

Singleton November 2009: 14-15. "Sustainable Water Resource Management: A Conceptual Plan for the Peace Creek Watershed and the City of Winter Haven, Florida." *Florida Engineering Society Journal*.

Wapnick, Singleton, and Harwood, May 2009: 12-30. "Beating Bacteria, A New Methodology for Identifying and Prioritizing Water Bodies with High Concentrations of Fecal Coliform." *Stormwater Magazine*.

Singleton, Bourne, and Hampson, 2009. "A Pragmatic Cycle for Ongoing Water Resources Research and Management." ASCE World Environmental and Water Resources Congress.

Singleton, et al, 2000-2006. "Water Quality Status and Assessment Reports, a series of 10 reports for the major river basins in SW Florida." Florida Department of Environmental Protection (FDEP).

**Specific Involvement:** project director and principal author.

**Tampa Bay Water Integrated Source Water Protection Plan, Tampa Bay, Florida (Tampa Bay Water).**

**Type of Project:** Source water protection plan

**Size of Project (dollar amount and scope):** \$499,815 / Development of an integrated source water protection plan for protecting public drinking water sources, including groundwater, surface water, and saline sources. The protective measures evaluated include protective policies and regulations, land acquisition programs, best management practices, local watershed protection measures, public information and education, and monitoring programs. The relative effectiveness of the measures was determined using an innovative "expert" survey method to gain consensus on what makes a measure effective. The most effective methods were then evaluated through a cost-benefit analysis, including financial and personnel costs; and water quality, environmental, and social benefits (triple bottom line analysis).

**Specific Involvement:** principal technical scientist responsible for project design, quality assurance, and stakeholder participation.

**Project Name: Florida Department of Environmental Protection (FDEP) Ongoing TMDL Support Contract, Florida (statewide) (FDEP).**

**Type of Project:** TMDL implementation support

**Size of Project (dollar amount and scope):** \$2.2 million to date / Services range from statistical analysis of water quality data used to determine water body impairments, to field studies for assessing microbial and nutrient sources, to coordination with local governments/stakeholders in the development of TMDL implementation plans for pollutant load abatement and waterbody remediation.

**Specific Involvement:** Contract manager responsible for project oversight and design, quality assurance, and stakeholder facilitation.

**Project Name: Bacteria Basin Management Action Plan (BMAP) Implementation, Hillsborough River Watershed, Hillsborough County, Florida (FDEP).**

**Type of Project:** Bacteria source identification

**Size of Project (dollar amount and scope):** \$306,741 / Evaluation of potential bacteria sources causing water quality impairments. It included the development and testing of a management tool for identifying sources of fecal indicator bacteria, evaluating relative health risks, and targeting management actions to restore water quality. The tool, which includes a microbial water quality assessment, a contaminant source survey, and microbial source tracking, has been used in over 60 watersheds in Florida and can be applied anywhere in the country. It has proven to be especially effective in gaining stakeholder consensus on the actions necessary to restore water quality.

**Specific Involvement:** Project director responsible for project design and oversight, quality assurance, and stakeholder facilitation.

**Potomac-Appalachian Transmission (PATH), Environmental Impact Statement (EIS), Harpers Ferry, WV (National Park Service).**

**Type of Project:** environmental impact study

**Size of Project (dollar amount and scope):** \$1,447,557 / Evaluation of impacts associated with construction of a proposed high voltage electric transmission line potentially impacting four National Parks and a national forest in Maryland, West Virginia, and Virginia. The EIS is being prepared pursuant to the requirements of the National Environmental Policy Act (NEPA).

**Specific Involvement:** task leader responsible for identifying water quality impacts associated with construction.

# Christopher R. Hack, PE

*Senior Engineer*

*Past Job Assignments: Drainage Engineer, Senior Roadway Designer, Project Manager*

*Years with PBS&J: 9*

*Years with other Firms: 19*



Mr. Hack is a drainage engineer 28 years of experience, 15 years of which were with the Florida Department of Transportation (FDOT). Mr. Hack has considerable expertise in the field of stormwater and drainage, as well as project management and supervision of roadway design crews. Prior work experience includes the design and construction of water supply systems for nuclear power plants for the Tennessee Valley Authority.

Mr. Hack is knowledgeable and competent in the use of numerous hydrologic and hydraulic software programs such as Inter-Connected Pond Routing (ICPR), Ponds, Hydraulic Engineering Center – River Analysis Systems (HEC-RAS), GEOPAK Drainage, and Federal Highway Authority's HY-8.

## Education

B.S., Mechanical Engineering,  
Florida Atlantic University,  
1980

## Registrations/Licenses

Professional Engineer  
Florida 37830, 1987

## Honors and Awards

Young Engineer of the Year,  
American Society of Civil  
Engineers (ASCE), Ridge  
Branch, 1988-1989

## Honorary Appointments

Panel Member for National  
Cooperative Highway  
Research Program (NCHRP)  
Project, Hydraulic Loss  
Coefficients for Culverts,  
2002-2009

## Professional Affiliations

Honor Society of Phi Kappa Phi

For the past nine years, Mr. Hack has been the lead transportation drainage engineer in the Tallahassee office. He has been the responsible drainage designer for several major state road projects in the design and project development phases. His group is responsible for preparation of drainage documentation, bridge hydraulic reports, location hydraulic reports, stormwater permit packages and the drainage components of the construction plans. Representative projects include the following:

### **Project Name: US 98 Realignment in Gulf County**

**Type of Project:** Roadway Construction

**Size of Project (dollar and scope):** \$30 million (construction estimate). This project included two projects (Segments 1 and 2) that consisted of relocating approximately 8.5 miles of a two-lane rural facility.

**Specific Project Involvement:** Drainage engineer responsible for the design of stormwater management facilities, cross drains, storm drains, and the preparation of a bridge hydraulic report and stormwater permit documentation. Mr. Hack also prepared the bridge hydraulic report for the Segment 3 project over Cypress Creek.

### **Project Name: FDOT Drainage Connection Handbook**

**Type of Project:** Document Preparation

**Size of Project (dollar amount and scope):** \$77,900 (design fee). FDOT updated Rule 14-86 F.A.C. in January 2009 & contracted with PBS&J to write a new handbook to address the rule changes and increase awareness of past issues of drainage connection applications.

**Specific Project Involvement:** Primary author of this handbook. He coordinated with all the FDOT District offices, oversaw the development of example problems, and quality control.

### **Project Name: Review of Consultant Designs**

**Type of Project:** Document Review

**Size of Project (dollar amount and scope):** \$30,000 (annual design fee). PBS&J is currently under contract with FDOT District 3 (Chipley) and District 5 (DeLand) to provide reviews of consultant prepared plans and reports. The District 3 effort is part of the General Engineering Consultant contract. The District 5 effort is part of a District wide drainage support services contract.

**Specific Project Involvement:** Mr. Hack has and will continue to review the drainage or stormwater component of roadway improvement projects. The projects



are reviewed for compliance with FDOT standards and guidelines and local and regulatory criteria as appropriate. The projects cover the full spectrum of roadway improvements from resurfacing and minor intersections to multi-lane reconstruction and bridge replacements (bridge hydraulics).

**Project Name: FDOT/ Florida Institute of Consulting Engineers (FICE)**

**Drainage Courses**

**Type of Project:** Class Preparation and Instruction

**Size of Project (dollar amount and scope):** \$110,000 (design fee).

Development of drainage classes

**Specific Project Involvement:** Developed several of the FDOT drainage design classes. These included the Basic Culvert Hydraulics class, the Storm Drain Design class, and the Pond Design class. Mr. Hack teaches these courses when requested by FICE or FDOT.

**Project Name: West Bay Parkway (CR 388), Bay and Walton County**

**Type of Project:** Preliminary Roadway Design

**Size of Project (dollar amount and scope):** 125,000 (drainage design fee).

Project included approximately 13 miles of road that is planned to be widened to 4-lanes. This was part of a Project Development and Environmental evaluation for the road that provides access to the Panama City International Airport.

**Specific Project Involvement:** Developed preliminary drainage concepts and stormwater pond locations.

**Project Name: Okaloosa Regional Airport Stormwater Pollution Prevention Plan**

**Type of Project:** Document Preparation

**Size of Project (dollar amount and scope):** \$28,000 (design fee). Development of a stormwater pollution prevention plan.

**Specific Project Involvement:** Responsible for the preparation of the storm water pollution prevention plan required as part of the Environmental Protection Agency/Florida Department of Environmental Protection multi-sector generic for industrial activity.

Prior to employment with PBS&J, Mr. Hack's worked for FDOT at the Bartow, Chipley, and Tallahassee offices.

In Bartow, Mr. Hack served in several capacities as drainage designer, senior roadway designer, and project manager. As drainage designer, he prepared several location hydraulic reports, designed roadway drainage systems. As senior designer, Mr. Hack was responsible for the production and technical aspects of roadway plans produced by 15 design engineers and technicians; as project manager, he coordinated the plans preparation of several consultant projects.

As District Three Drainage Engineer in Chipley, Mr. Hack supervised and directed all activities of the drainage department. In this capacity, he was responsible for design of the drainage systems and bridge hydraulics prepared by the department.

At FDOT's Central Office in Tallahassee, Mr. Hack developed and modified drainage-related design standards and specifications for statewide use. He was the primary author of the FDOT Storm Drain Handbook and the Stormwater Management Facility Handbook. He managed several research projects involving rainfall distribution studies, inlet efficiencies, and losses in utility conflict structures. He also developed/taught a basic culvert hydraulics course.

# William K. Johnson, PE, PLS, CFM

Senior Engineer

Past Job Assignments: Project Manager, Project Engineer

Years with PBS&J: 15

Years with other Firms: 15



## Education

B.S., Civil Engineering, University of Central Florida, 1985

## Registrations/Licenses

Professional Engineer

Florida, 41040, 1990

Georgia, 23623, 1997

Mississippi, 19334, 2009

Professional Surveyor and Mapper

Florida, 4845, 1990

## Certifications

Certified Floodplain Manager (CFM), Florida

## Honors and Awards

Tau Beta Pi, Engineering Honor Society

Phi Kappa Phi, Academic Honor Society

## Professional Affiliations

American Society of Civil Engineers (ASCE)

Florida Engineering Society (FES)

National Society of Professional Engineers (NSPE)

Mr. Johnson is a senior project manager/engineer in PBS&J's engineering division. He has 30 years of extensive/diverse engineering-related experience including stormwater modeling, water and sewer design, commercial site development, subdivision planning and design, boundary and topographic surveying, platting, construction layout, computer-aided design production, and construction administration services. Mr. Johnson is instrumental in providing management and technical support for environmental and civil engineering projects and participates in the development of stormwater management plans (SWMP), FIRM modifications, design, permitting, and construction documents for drainage systems, land development projects, roadway and utility improvements, and water and sewer systems. He is highly proficient with the various methodologies used to design stormwater management facilities, and is experienced with many surface water and groundwater software packages including EPASWMM, XP-SWMM, and ICPR.

Mr. Johnson's recent PBS&J project experience includes:

### **Project Name: Gamble Creek Watershed Management Plan, Manatee County, Florida**

**Type of Project:** Watershed Analysis

**Size of Project (dollar value and scope of project):** \$614,110 (Fee). This project for the Southwest Florida Water Management District (SWFWMD) involved a basin study and the development of a hydrologic/ hydraulic (H&H) model for the approximately 36,000-acre Gamble Creek Watershed located in Manatee County.

**Specific Project Involvement:** Project manager and lead technical professional responsible for development and production of all project deliverables. The model will be used to update floodplain maps, assess recommended stormwater management improvements within the watershed, and to provide information for regulatory permitting. Project tasks included the development of topographic maps using light detection and ranging (LIDAR) data, evaluation of watershed parameters; inventory of hydraulic features, and watershed model development with parameters obtained through PBS&J's watershed analyst. The H&H modeling was performed using ICPR and contained over 800 subbasins and 1,700 reaches.

### **Project Name: Hammock Creek Watershed Management Plan, Pasco County, Florida.**

**Type of Project:** Watershed Analysis

**Size of Project (dollar value and scope of project):** \$590,318 (Fee). The model will be used to update floodplain maps, assess recommended stormwater management improvements within the watershed, and to provide information for regulatory permitting. Project tasks included the development of topographic maps using LiDAR data, evaluation of watershed parameters, inventory of hydraulic features, and watershed model development with parameters obtained through PBS&J's watershed analyst. The H&H modeling was performed using EPASWMM-5 and contained over 1,500 subbasins and 4,000 reaches.

**Specific Project Involvement:** Project manager and lead technical professional responsible for development and production of all project deliverables. This

project for SWFWMD involved a basin study and the development of an H&H model for the approximately 30,000-acre Hammock Creek Watershed located in Pasco County.

**Project Name: Frenchtown Stormwater Capital Improvements Master Plan, Tallahassee, Florida**

**Type of Project:** Watershed Analysis

**Size of Project (dollar value and scope of project):** \$591,109 (Fee). The scope of work included defining the existing stormwater flooding and erosion problems by analyzing both primary and secondary conveyance systems including overland flow; identifying the causes, extents, and magnitudes of the flooding; developing both structural and nonstructural solution alternatives for alleviating the problems; and developing a public relations program. The H&H modeling was performed using XP-SWMM and contained over 270 subbasins and 600 reaches.

**Specific Project Involvement:** Mr. Johnson was the project manager and lead technical professional responsible for model development and production of technical deliverables. This project for the City of Tallahassee involved the development of the Frenchtown Stormwater Capital Improvements Master Plan for the 850-acre Frenchtown watershed.

**Project Name: Southwood Stormwater Facilities Master Plan (SFMP), Southeast Tallahassee, Florida.**

**Type of Project:** Stormwater master plan

**Size of Project (dollar value and scope of project):** \$375,000 (Fee). This project encompassed six watersheds and over 7,000 acres of contributing area, the SFMP incorporates elements of data collection, monitoring, geographic information systems (GIS), conceptual design, database management, and XPSWMM stormwater modeling to achieve goals established by the City of Tallahassee stormwater management division.

**Specific Project Involvement:** Project manager and lead technical professional responsible for providing comprehensive stormwater analysis and a design manual for the 3,200-acre Southwood development located in southeast Tallahassee.

Before joining PBS&J, Mr. Johnson provided engineering and land surveying services for numerous commercial, residential, industrial, and institutional projects in the central Florida area. From 1991 to 1996, Mr. Johnson also served as engineering consultant to the Ranger Drainage District, a state water control district managing 9,900 acres of land in east Orange County. As the district engineer, he initiated and completed a program to map the district's drainage facilities, provided stormwater modeling services, produced plans for the construction of drainage and maintenance facilities, provided construction administration services, and acted as the district's representative for interaction with governing jurisdictional authorities including the St. Johns River Water Management District, U.S. Army Corps of Engineers (USACE), U.S. Environmental Protection Agency (EPA), and Orange County (Florida).

# Glenn C. Brown Jr., PE

*Senior Engineer*

*Past Job Assignments: Project Engineer*

*Years with PBS&J: 11*

*Years with other Firms: 22*



## Education

M.S., Civil Engineering, Auburn University, 1977

B.S., Civil Engineering, Auburn University, 1976

## Registrations/Licenses

Professional Engineer

Florida 31911, 1982

Alabama 23233, 1999

Mr. Brown is a senior engineer in PBS&J's north Florida civil engineering services division. He has 33 years of civil engineering experience providing project development, management, design, permitting, and construction administration services for land development and planning projects in both the private and public sectors. His expertise includes modeling and design of stormwater management facilities, subdivision layout, roadway planning and design, design of water supply systems, and designs for sanitary sewer systems. Mr. Brown's work assignments have included projects in the southeastern United States, Missouri, and Texas and his international experience includes projects in Afghanistan, Spain, Antigua, Bahamas, and U.S. Virgin Islands.

Relevant work experience includes:

### **Project Name: Pier Park**

**Type of Project:** Civil Design and Site Planning

**Size of Project (dollar value and scope):** Design Fees Confidential by Contract

**Specific Project Involvement:** This project for Simon Property Group (SPG) involved site planning and design, permitting, and construction administration for the primary development parcel (PDP) for the recently completed 266-acre mixed-use retail center at Pier Park in Panama City Beach. Services included analysis, design, permitting, and construction plans for alterations to site infrastructure including site grading and secondary drainage conveyance, utilities service lines, internal driveways, parking and traffic circulation, and internal intersection improvements.

### **Project Name: WaterColor**

**Type of Project:** Civil Design and Site Planning

**Size of Project (dollar value and scope):** Design Fees Confidential by Contract

**Specific Project Involvement:** An 1,100-acre coastal resort development in Walton County, Florida. This project, exhibiting the "New Urbanism" concept included a development of regional impact (DRI), planned unit development (PUD), civil design, environmental permitting, development of a habitat conservation plan, and construction administration. This project was a recipient of the Urban Land Institute's (ULI), 2004 Award for Excellence.

### **Project Name: WaterSound**

**Type of Project:** Civil Design and Site Planning

**Size of Project (dollar value and scope):** Design Fees Confidential by Contract

**Specific Project Involvement:** A 252-acre coastal resort development in Walton County, Florida. This New Urbanism project included a PUD, stormwater design, civil infrastructure plans, environmental permitting, development of a habitat conservation plan, and construction administration.

### **Project Name: SouthWood**

**Type of Project:** Civil Design and Site Planning

**Size of Project (dollar value and scope):** Design Fees Confidential by Contract

**Specific Project Involvement:** A 3,200-acre mixed-use DRI in Tallahassee, Florida. For this project, another project following the New Urbanism concept, Mr. Brown provided technical assistance in the areas of stormwater management, permitting, site planning and coordination between the various disciplines associated with the project.

**Project Name: Weatherills Resort**

**Type of Project:** Master Planning and Conceptual Engineering

**Size of Project (dollar value and scope):** \$250K in Design Fees

**Specific Project Involvement:** A 33-acre mixed use development including a 4-star hotel in Antigua, West Indies. Mr. Brown assisted with the master planning and conceptual engineering including local permitting for this Caribbean resort. The facility design elements include site design, stormwater, coastal design of a beach and erosion control structures and marina.

**Project Name: Barrier Dunes**

**Type of Project:** Civil Design and Site Planning

**Size of Project (dollar value and scope):** \$325K in Design Fees

**Specific Project Involvement:** A 35-acre multi-family residential coastal development located on Cape San Blas, Florida. Mr. Brown was responsible for engineering elements of the master plan, infrastructure design, environmental permitting and construction management. The project included design, permitting and construction of a self contained sanitary sewer treatment plant, two lift stations and supporting treatment ponds.

**Project Name: Homestead Extension**

**Type of Project:** Drainage and Stormwater Design

**Size of Project (dollar value and scope):** > \$1.25 Million in Design Fees

**Specific Project Involvement:** As drainage engineer-of-record, Mr. Brown was responsible for final drainage design including hydrologic studies, analysis of alternative conveyance systems, maintenance of traffic (MOT) drainage design, detention pond design, and stormwater permitting for this the Homestead Extension of Florida's Turnpike (also known as the Tamiami Parkway) in Dade County, Florida.

**Project Name: Polk County Parkway (Section 1)**

**Type of Project:** Drainage and Stormwater Design

**Size of Project (dollar value and scope):** \$1.5 Million Design Fees

**Specific Project Involvement:** Drainage engineer and drainage engineer-of-record, responsible for hydraulic analysis and design of stormwater collection, conveyance, and detention systems for this segment of Interstate 4 near Lakeland, Florida.

**Project Name: Camilla Oaks Commercial Center**

**Type of Project:** Civil and Stormwater Design, Site Planning

**Size of Project (dollar value and scope):** \$20K in Design Fees

**Specific Project Involvement:** Project is located near Florida State University, Tallahassee, Florida. Project engineer, project responsibilities included planning and developing a site plan to comply with the City of Tallahassee's Comprehensive Plan. From the initial concept planning to its completion, Mr. Brown and his team participated in the various public hearings and Planning Commission meetings required for this development. The information provided included area flood studies, retention pond modeling, parking lot planning and utility design. The ultimate design addressed severe limitations created by an unregulated urban stormwater environment that existed prior to the proposed development. These limitations had previously precluded development at the site. Particularly notable was the successful working relationship and the team concept developed between Mr. Brown and the city regulatory agencies on this moderately sized but very complex project.

# Austin D. Carroll

*Environmental*

*Past Job Assignments: Project Manager, Qualified Mitigation Supervisor*

*Years with PBS&J: 3*

*Years with other Firms: 8*



## Education

M.S., Wildlife and Fisheries  
Science, Mississippi State  
University, 2004

B.S., Forestry (Wildlife  
Management Option),  
Mississippi State University,  
2000

## Certifications

Mississippi Registered Forester,  
#02148

Certified Wildlife Biologist with  
Wildlife Society (in progress)

Certified Prescribed Burner in the  
States of Mississippi, Alabama  
(#01138), and Florida (in  
progress)

I-100, L-180, S-130, S-131, S-190,  
S-215, Fire Management  
Certification

Florida Fish and Wildlife  
Conservation Commission  
(FWC) Gopher Tortoise  
Authorized Agent #GTA-09-  
00142

Qualified Stormwater Management  
Inspector #14507

FWC Official Marine Turtle  
Lighting Exam

Institutional Animal Care and Use  
Committee (IACUC) Animal  
Care and Handling Training

Mr. Carroll is a project manager/forest ecologist and wildlife biologist with PBS&J's north Florida environmental sciences division. He has ten years of experience in natural and water resources management and policy, mitigation area management and monitoring, multi-organizational partnership development, and ecological research and monitoring in forested ecosystems across the southeastern United States. His experience in field research includes study design, implementation, data collection, analysis, and reporting. His past experience has given him a working knowledge of aquatic and terrestrial habitat management practices, wildlife and fisheries population management, silvicultural and mitigation area management, threatened and endangered species surveys, relocations, and management, regulatory compliance and monitoring techniques, and large-scale project management. He has established and coordinated partnerships between local landowners, citizen/civic groups, governmental agencies, private industry, academic and research groups, and non-governmental organizations to facilitate mutual interest and cooperation in achieving ecologically significant objectives. These efforts led to Mr. Carroll serving as a guest instructor on partnerships at the U.S. Fish and Wildlife Service (USFWS) Training Center.

Mr. Carroll's PBS&J project experience includes:

**Project Name: Panama City-Bay County International Airport (PCBIA)  
Relocation Mitigation Management and Monitoring, Bay County, Florida  
Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope): \$51M.** PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Specific Project Involvement:** Mr. Carroll serves as project manager and is responsible for mitigation plan implementation, contract administration, Qualified Mitigation Supervisor (QMS) responsibilities, monitoring, and reporting requirements for the mitigation area. Mr. Carroll leads the development and distribution of bid packages, and ultimately bid evaluation, during the selection of contractors for mitigation activity implementation. He developed a management schedule to accomplish the goals and objectives of the mitigation plan and directed task implementation for mechanical and manual site preparation, prescribed burning, hydrologic restoration, vegetation planting, invasive/exotic species management, and dump site removal.

**Project Name: Panama City-Bay County International Airport (PCBIA)  
Relocation Mitigation Management and Monitoring, Bay County, Florida  
Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope): \$51M.** PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

Austin D. Carroll  
Environmental

### Software

Experience in ArcGIS; ArcMap;  
Sub-meter, 1-3m, and handheld  
GPS units; SAS; Minitab; PC  
ORD; CANACO 4; and  
Microsoft Office including  
Access

**Specific Project Involvement:** Mr. Carroll serves as project manager and is responsible for mitigation plan implementation, contract administration, Qualified Mitigation Supervisor (QMS) responsibilities, monitoring, and reporting requirements for the mitigation area. Mr. Carroll leads the development and distribution of bid packages, and ultimately bid evaluation, during the selection of contractors for mitigation activity implementation. He developed a management schedule to accomplish the goals and objectives of the mitigation plan and directed task implementation for mechanical and manual site preparation, prescribed burning, hydrologic restoration, vegetation planting, invasive/exotic species management, and dump site removal.

**Project Name: The Sembler Company, TR105 Gopher Tortoise Excavations**  
**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope): \$55K.** PBS&J was responsible for the permitting, excavation, and relocation of gopher tortoises on this 190-acre development site.

**Specific Project Involvement:** Mr. Carroll served as project manager for the permitting, excavation, and relocation of gopher tortoises on the TR105 development site in Tallahassee. He directed the surveys and permitting of the development area through FWC and the City of Tallahassee. He negotiated and performed the relocation of tortoises to a St. Joe Company-owned recipient site in Leon County.

**Project Name: Leon County Department of Public Works (LCDPW),  
General Engineering Contract Services, Leon County, Florida.**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope):\$25K**

**Specific Project Involvement:** As task manager, Mr. Carroll directed all gopher tortoise surveys, permitting, excavation, and relocation associated with the Killearn Lakes Stormwater Improvement Areas. He also provided onsite consultation and construction impacts monitoring to the client following burrow identification in the construction area. Additionally he negotiated and secured permits from FWC to excavate these additional burrows in the construction area. Mr. Carroll directs ongoing Natural Features Inventory (NFI) and Environmental Impact Analysis (EIA) permit application and acquisition services from the City of Tallahassee for multiple LCDPW projects.

**Project Name: Florida Landings Development of Regional Impact (DRI),  
Washington County, Florida**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope): \$700K.** This project for Florida Landings, LLC., involves professional consulting services associated with the Florida Landings development of regional impact (DRI) including analysis, evaluation, and documentation of transportation, environmental and cultural resource needs generated by the preparation of the DRI.

**Specific Project Involvement:** Mr. Carroll provides gopher tortoise relocation and wildlife/urban conflict recommendations based on the objectives of the client during Florida Landings community planning. He assists in answering and performing quality assurance and quality control (QA/QC) reviews of sufficiency responses during the DRI application phase of this project.

# Norman F. Robertson, PE

Senior Engineer

Past Job Assignments: Contract Administrator, Project Manager

Years with PBS&J: 7

Years with Other Firms: 0



## Education

B.S., Engineering Management,  
University of Missouri-Rolla,  
2004

## Registrations/Licenses

Professional Engineer  
Florida, 69785, 2009

## Professional Development

Qualified Stormwater Management  
Inspector, Florida Department  
of Environmental Protection,  
March 8, 2005.

Interconnected Pond Routing  
(ICPR) Stormwater Modeling  
Training, Streamline  
Technologies, Inc., Winter  
Park, Florida, Spring 2006.

## Professional Affiliations

Project Management Institute (PMI)  
Water Environment Federation  
(WEF)

Florida Water Environment  
Association (FWEA)

Mr. Robertson serves as an engineer with PBS&J's engineering division in the Tallahassee, Florida office. He has seven years of general civil engineering experience involving stormwater, water, sewer, roadway, and site design. He also has experience working with the risk and emergency management group, aiding in the facilitation of hurricane relief projects. He has also served as a contract administrator providing services during construction for a local community development district (CDD).

Mr. Robertson's PBS&J project experience includes:

**Project Name: Southwood Community, Capital Region CDD, Tallahassee, Florida.**

**Type of Project:** Subdivision Site Design

**Size of Project (dollar and scope):** Approximately \$4.3M to date. This project provided comprehensive consulting services to Gee & Jenson and CH2M-Hill for nearly all the infrastructure within Southwood. These services include planning, engineering design and analysis, construction drawings, permitting, bidding and construction administration for more than 15 site layouts and many subdivision backbone roadways onsite and offsite. The various components of the projects have consisted of roadway and traffic design, neighborhood and regional stormwater management facilities and conveyances, potable water distribution, sewer collection systems, lift stations, environmental permitting services, landscape architecture, irrigation design, and permitting. Other services include attendance at board meetings, assistance in preparation of Community Development District documents including engineer's reports, and providing assistance during contractor's prequalification.

**Specific Project Involvement:** Mr. Robertson serves as a contract administrator responsible for provided client services during construction; this project involved managing more than 15 contracts between the CDD and the contractor. This includes providing quantity takeoff calculations, cost estimating, bidding, awarding a contract, managing the contract, conflict resolution, project inspection, and facilitating the final acceptance with all local and state municipalities. Mr. Robertson has also provided design services for several roadways throughout the Southwood development. These services include, stormwater design, water and sewer design, lift station design, grading, roadway alignment, and sidewalk design.

**Project Name: Killearn Lakes Stormwater Study – Unit 1, Unit 2, and Unit 3 Leon County Public Works, Leon County, Florida.**

**Type of Project:** Stormwater Study

**Size of Project (dollar and scope):** Approximately \$300K. PBS&J conducted a preliminary stormwater study of the established Killearn Lakes Subdivision for Units 1, 2, and 3. PBS&J provided conceptual design plans to alleviate flooding problems throughout the community.

**Specific Project Involvement:** Mr. Robertson was a Design Engineer responsible for due diligence, site evaluation, stormwater calculations, and plans preparation. This project includes providing an "out of the box" approach to providing flood relief to a large neighborhood with a history of flooding.



**Project Name: Salamanca Ct Stormwater Improvements, Leon County Public Works, Leon County, Florida.**

**Type of Project:** Stormwater Improvement

**Size of Project (dollar and scope):** Approximately \$50K. PBS&J provided engineering and consulting services to Leon County Public Works to evaluate and determine a solution for a flooding problem on Salamanca Ct. and Palencia Ct. located in Leon County.

**Specific Project Involvement:** Mr. Robertson served as a project engineer in the design and permitting of stormwater facilities to aid in flood relief of an existing neighborhood.

**Project Name: Leon County Sidewalks, Leon County Public Works, Leon County, Florida.**

**Type of Project:** Sidewalk Retrofit Design

**Size of Project (dollar and scope):** \$47K PBS&J provided engineering and consulting services to Leon County Public Works to provide a sidewalk design within existing roadway Right-of-Way.

**Specific Project Involvement:** Mr. Robertson served as a project engineer in the design and permitting of sidewalks within existing county right of way. The design included providing proper drainage, stormwater management, and ADA compliance.

**Project Name: Tradewinds of Ochlocknee Bay Resort Subdivision, Mashles Sands Beach, Florida.**

**Type of Project:** Subdivision Site Design

**Size of Project (dollar and scope):** Approximately \$63K. PBS&J provided full design services, including civil engineering and landscape architecture, for this resort community located along the Ochlockonee Bay. The site plan maximizes views of the bay with community access to the water and marina. The design uses native plant material throughout the project. A community center with custom pool is centrally located with direct access to the water and fishing pier. The stormwater ponds are situated in park settings and are treated as focal points with paths connecting the parks to individual lots and the waterfront.

**Specific Project Involvement:** Mr. Robertson was responsible for construction administration and project approval, provided project inspections, and authorized payments to contractor.

# Robert L. Farley, RLA, LEED AP

**Certified Arborist**

**Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator**

**Years with PBS&J: 7**

**Years with other Firms: 27**



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida  
Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager  
U.S. Green Building Council (USGBC) LEED AP  
ISA Certified Arborist  
GRHC Accredited Green Roof Professional  
FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects  
Florida Native Plant Society  
National Roadside Vegetation Management Association  
Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

### **Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 600 acre**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

### **Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Acre**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

### **Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Acre**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

### **Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Acre**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Project Manager*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Acre**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Acre**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Acre**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Acre**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# B

## Experience with Projects of a Similar Type and Size

Stormwater Engineering

### Relevant Project Experience

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 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 role of each

#### **Project 1: Timberlake Subdivision Flood Mitigation Project, Leon County, Florida**

*PBS&J provided services to Leon County in support of the original CDBG grant application, as well as support of documentation necessary for securing the grant, including the environmental assessment necessary for release of the funds.*

#### **Nature of Firm's Responsibility**

Leon County has received Community Development Block Grant (CDBG) funds from the U.S. Department of Housing and Urban Development (DHUD) through Florida Department of Community Affairs (DCA). These funds were designated for projects that will mitigate flooding as a result of Tropical Storm Fay. Timberlake Subdivision experienced home flooding and isolation due to roadway flooding over an extended period of time during Tropical Storm Fay. PBS&J was retained by Leon County for the complete design of the mitigation project. Timberlake Subdivision surrounds a small pond located at the lowest point within a closed basin. PBS&J has identified a project to mitigate the flooding by expansion of the small pond into one of sufficient size to handle the 100-year storm event. Issues to be addressed in project development are:

- Poor infiltration rates of the surrounding soils.
- Existence of a stormwater well in the existing pond installed due to poor infiltration.
- Potential need for an interbasin transfer to maintain pond water levels.
- Protection of environmental features found on the site.

Numerous conceptual designs were developed to allow Leon County to identify the most cost-effective solution for the project. PBS&J also provided services associated with acquisition of property. Due to the urgency of the project, PBS&J has accelerated the design concurrently with other project activities, and is currently processing design documents for permits from Northwest Florida Water Management District (NWFWM), Florida Department of Environmental Protection (FDEP), and Florida Department of Transportation (FDOT).

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### Project Owner's Contact Information

Kimberly A. Wood, PE  
 Leon County Public Works  
 2280 Miccosukee Road, Tallahassee, FL 32308  
 850.606.1500

### Project Completion Date

November 2011

### Key Personnel Involved and Roles

- Michael A. Scibelli, PE, Client Service Manager
- William K. Johnson, PE, PLS, CFM, Project Manager
- Norman F. Robertson, PE, Project Engineer

### ***Project 2: Lexington Basin Water Quality Retrofit, Leon County, Florida***

*The primary purpose of the Lexington Basin project is to enhance the quality of runoff entering Lake Jackson, a major water body in Leon County serving all forms of recreational uses.*

### Nature of Firm's Responsibility

This project was identified in the earliest master plans developed by Leon County. The primary purpose of the project is to enhance the quality of runoff entering Lake Jackson, a major water body in Leon County serving all forms of recreational uses. A secondary benefit of the project is mitigation of flooding of property and roads in the area. In 1998 NFWFMD conducted a study evaluating two large parcels of land for suitability to the project. The larger parcel was found acceptable, and the smaller parcel was not. Subsequently, the larger parcel was placed in a conservation easement, rendering it not available for the project. The current study update, now completed, was intended to determine the configuration of property necessary to meet the project objectives, which configuration will include the remaining large parcel. This work to date included extensive data collection and an evaluation report of the data. Additionally, the impact from changes (since the 1998 report) that have occurred to the basin's hydrologic character was evaluated.

Development of final design and construction documents, including permits, will commence upon authorization by Leon County. The County is currently acquiring property for the project, and PBS&J will investigate feasible alternative sites and any combination of basin enhancements that may offer an increased level of improvement to water quality and flood relief within Lexington Branch. Tasks include:

- Data collection and data updating, with an inventory report as a deliverable at the end of the task.
- Model verification and report, containing findings and conclusions and alternative stormwater accommodations.
- Pond and Meridian Road conveyance design (hydrologic model).

### Project Owner's Contact Information

Kimberly A. Wood, PE  
 Leon County Public Works Department  
 2280 Miccosukee Road, Tallahassee, FL 32308  
 850.606.1500

**Project Completion Date**

February 2012

**Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Client Service Manager
- Glenn C. Brown Jr., PE, Project Engineer
- Mario Riviuccio, Designer

**Project 3: City of Tallahassee Welaunee Stormwater Facility Master Plan, Tallahassee, Florida****Nature of Firm's Responsibility**

The City of Tallahassee retained PBS&J to prepare a stormwater facilities master plan (SFMP) for the portion of Welaunee owned by the City. The intent of the plan was to provide an outline for the future design of backbone stormwater facilities on approximately 450 acres of land.

*PBS&J prepared a stormwater facilities master plan for the portion of Welaunee owned by the City of Tallahassee. The intent of the plan was to provide an outline for the future design of backbone stormwater facilities on approximately 450 acres of land.*

The SFMP included an analysis of existing and proposed stormwater runoff conditions, conceptual design of improvements required for the primary conveyance systems to serve the entire development, and a report that includes analysis criteria, results, and conceptual plans of the primary system components. The primary drainage system included those tributary conveyances and impoundments, whether natural or created, necessary to provide a hydraulic connection to the boundary of the primary catchments, which exist in each of the individual land use tracks identified on the COT Welaunee Master Development Plan. The SFMP evaluated natural and improved drainage systems, documented the hydraulic capability of these systems, and defined the resulting impacts and proposed mitigation measures. Specific consideration was given to erosion and sedimentation concerns and long-term maintenance issues, with appropriate mitigation measures proposed.

**Project Owner's Contact Information**

Mark Fuller, Program Engineer  
 City of Tallahassee  
 Underground Utilities, Stormwater Management/Planning  
 300 South Adams, B35, Tallahassee, FL 32301  
 850.891.6177

**Project Completion Date**

February 2011

**Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Project Manager
- Glenn C. Brown Jr., PE, Project Engineer
- Mario Riviuccio, Designer

### ***Project 4: Sunflower Road Flood Mitigation Project, Leon County, Florida***

#### **Nature of Firm's Responsibility**

Following Tropical Storm Fay, Leon County set aside funding for projects to mitigate flooding experienced during that storm event. Sunflower Road, located in rural southern Leon County, provides vital access to surrounding properties during storm events. When Sunflower Road becomes flooded, many homes on higher ground become isolated, accessible only by boat. The topography of the area is quite flat and low, and during storm events a major flow way crosses Sunflower Road. The project objective was to render Sunflower Road passable during flood events while not obstructing the flow way of the stormwater. PBS&J, based on detailed modeling and analysis, developed a project that would raise Sunflower Road in the area of the flow way but allow the stormwater to flow under the road without hindrance. Project design is complete and permits were secured in March 2011. Once right-of-way is acquired, construction can begin.

*Sunflower Road, located in rural southern Leon County, provides vital access to surrounding properties during storm events.*

#### **Project Owner's Contact Information**

Charles Wu, PE  
Leon County Public Works  
2280 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

- Design and permitting March 2011
- Right-of-way acquisition is ongoing
- Construction schedule unknown

#### **Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Client Service Manager
- Mario Rivieccio, Designer and Plans Preparation
- Glenn C. Brown, PE, Senior Engineer

### ***Project 5: Florida Department of Transportation (FDOT) Drainage Connection Handbook, FDOT Central Office, Florida***

#### **Nature of Firm's Responsibility**

FDOT updated Rule 14-86 FAC in January 2009. The rule regulates developments adjacent to, and that discharge to, FDOT rights-of-way. FDOT contracted with PBS&J to write a new handbook to address the rule changes and increase awareness of past issues of drainage connection applications. PBS&J coordinated with District staff and prepared a draft and a final handbook submittal.

The handbook contains examples, annotated application form, exception questionnaire, and overall guidance for ensuring that adjacent developments maintain the safety and integrity of FDOT facilities. Also included are discussions of the FDOT design storms and procedures for determining rainfall depths.

**Project Owner's Contact Information**

Rick Renna  
605 Suwannee Street, Tallahassee, FL 32399  
850.414.4315

**Project Completion Date**

July 2010

**Key Personnel Involved and Roles**

Christopher R. Hack, PE, primary author of the handbook

***Project 6: FDOT Districts Three and Five, Drainage Review, Chipley (District Three) and DeLand (District Five), Florida*****Nature of Firm's Responsibility**

PBS&J is currently under contract with FDOT Districts Three and Five to provide reviews of consultant-prepared plans and reports. The District Three effort is part of the General Engineering Consultant contract, and the District Five effort is part of a Districtwide drainage support services contract. Projects are reviewed for compliance with FDOT standards and guidelines and local and regulatory criteria, as appropriate. The projects cover the full spectrum of roadway improvements, from resurfacing and minor intersections to multi-lane reconstruction and bridge replacements (bridge hydraulics).

**Project Owner's Contact Information**

Jim Kapinos  
Hwy 90 East, Chipley, FL 32428  
850.415.9430

Ferrell Hickson  
719 S. Woodland Blvd., DeLand, FL 32720  
386.943.5000

**Project Completion Date**

District Three GEC contract expires October 1, 2015. District Five Drainage support contract expires August 15, 2011.

**Key Personnel Involved and Roles**

Christopher R. Hack, PE, review of drainage or stormwater component of roadway improvement projects

*Wakulla County retained PBS&J to review developer applications for stormwater permits and transportation concurrency.*

***Project 7: Wakulla County Drainage Review, Wakulla County, Florida*****Nature of Firm's Responsibility**

Wakulla County retained PBS&J to review developer applications for stormwater permits and transportation concurrency. Tasks performed to date by PBS&J in this ongoing project include the following:



- Site plan review
- Analysis of proposed stormwater management measures
- Detention pond design evaluations
- Review of stormwater best management practices (BMP) measures.

#### **Project Owner's Contact Information**

Somer Strickland, Planner  
Wakulla County Planning and Community Development Department  
3093 Crawfordville Highway, Crawfordville, FL 32327  
850.926.3695

#### **Project Completion Date**

Ongoing, Service Renewal Option in 2012

#### **Key Personnel Involved and Roles**

- Daniel J. Beaty, AICP, Project Manager
- Glenn C. Brown Jr., PE, Project Engineer

*The backbone of the Peace Creek plan is an interconnected network of lakes, canals, wetlands, aquifers, open spaces, and parks, designed to meet the long-term water resource needs of the community.*

### ***Project 8: Peace Creek Watershed Sustainable Water Resource Management Plan, Winter Haven, Florida***

#### **Nature of Firm's Responsibility**

PBS&J was selected by the City of Winter Haven to develop, with significant stakeholder participation, a plan to meet future water resource needs of the community. Objectives of the plan are to restore as much as possible the network of water that existed before the watershed was altered, and conserve surface water and groundwater resources of the city for human and environmental use.

The backbone of the plan is an interconnected network of lakes, canals, wetlands, aquifers, open spaces, and parks, designed to meet the long-term water resource needs of the community including supply (water quantity), treatment (water quality), flood protection, and preservation of natural resources. It is an investment in the City's natural infrastructure—preserving and enhancing the innate ability of the watershed's unique landscape to provide multiple water resource benefits—as opposed to engineered infrastructure. In the long-term, using the natural landscape to provide these benefits will result in a less costly, more efficient water supply system for people and the environment.

#### **Project Owner's Contact Information**

Mike Britt, PE, Director, Natural Resources Division  
City of Winter Haven, 451 Third Street, NW, Winter Haven, FL 33881  
863.291.588

#### **Project Completion Date**

November 2010

#### **Key Personnel Involved and Roles**

- Thomas L. Singleton, Project Director and principal author
- Cheryl Propst, MS, CE, Project Manager

- Doug Robison, PWS, Principal, QA/QC
- Dave Tomasko, Ph.D., Senior Scientist
- Pam Latham, Ph.D., Principal Scientist
- Ralph Montgomery, Ph.D., Principal Scientist
- Bob Woithe, Ph.D., Principal Scientist
- Ed Cronyn, PWS, Senior Scientist

### ***Project 9: Tropical Storm Fay Grants Management Assistance, Leon County, Florida***

#### **Nature of Firm's Responsibility**

*Following Tropical Storm Fay, Leon County set aside \$5 million in funding for projects to mitigate flooding experienced during that storm event. Approximately 17 projects were identified and funded through that process.*

Following Tropical Storm Fay, Leon County set aside \$5 million in funding for projects to mitigate flooding experienced during that storm event. Approximately 17 projects were identified and funded through that process. Subsequently, DHUD allocated funds to Florida for Tropical Storm Fay mitigation projects, which were administered as CDBGs by DCA. Leon County was ultimately allocated approximately \$10 million in funding. The projects that had not been addressed by the Leon County mitigation program were evaluated for candidacy for CDBG funds under a very limited time constraint.

PBS&J was retained to assist with this effort. Approximately ten flooding issues were considered, with multiple conceptual approaches developed for each and costs and summary assessments for each conceptual plan. Each plan required careful stormwater analysis. PBS&J staff worked closely with County staff in developing the projects, resulting in the County's success in securing CDBG funds.

#### **Project Owner's Contact Information**

Kimberly A. Wood, PE  
Leon County Public Works  
2280 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

January 2010

#### **Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Client Service Manager
- Glenn C. Brown, PE, Project Manager
- William K. Johnson, PE, PLS, CFM, Project Engineer
- Norman F. Robertson, PE, Project Engineer

### ***Project 10: Frenchtown Watershed Stormwater Master Plan, City of Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

PBS&J was retained by the City of Tallahassee Stormwater Management Division to conduct a basin study and develop a hydrologic and hydraulic (H&H) model of the 900-acre Frenchtown watershed. A key goal of the project was to identify

causes and potential solution alternatives to address historical flooding within the Frenchtown area. Project tasks included data collection, surveying services, environmental assessments, processing questionnaires, conducting community meetings, responding to public requests for information, H&H analyses, solution alternative development and analysis, estimation of quantities and costs for solution alternatives, identifying land acquisition needs, and report preparation. Topographic maps and hydraulic features were developed from field survey and LiDAR data. H&H modeling was performed using XP-SWMM and contained over 270 drainage basins and 600 reaches. Ultimately, 12 separate solution alternatives were provided to the City for evaluation.

#### **Project Owner's Contact Information**

Charles A. Blum, PE, City of Tallahassee  
Stormwater Management Division  
100 South Adams Street, B-35, Tallahassee, FL 32301  
850.891.6860

#### **Project Completion Date**

February 2007

#### **Key Personnel Involved and Roles**

- David B. Roberts, PE, Project Manager
- William K. Johnson, PE, PLS, CFM, Senior Engineer
- Charlie Schwartz, PE, Engineer

### ***Current Relevant Projects***

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

Please refer to the projects listed in Part B of this proposal, Experience with Projects of Similar Type and Size. Additional information follows.

#### ***FDEP Ongoing TMDL Support Contract, Statewide, Florida***

PBS&J was selected by FDEP to provide a broad range of technical and support services associated with implementation of the State's TMDL program throughout Florida. Services have ranged from statistical analysis of water quality data used to determine water body impairments, to field studies for assessing microbial and nutrient sources, to coordination with local governments and stakeholders with regard to the development of Basin Management Action Plans (BMAP) for pollutant load abatement and water body remediation.

*PBS&J was selected by FDEP to provide a broad range of technical and support services associated with implementation of the State's TMDL program throughout Florida.*

Tasks completed under this contract have provided much-needed guidance and assistance to local governments in implementing TMDLs. The assignments completed to date total \$2.2 million. Some of the representative tasks include:

- Development of TMDL for fecal coliform bacteria for Wagner Creek (Miami-Dade County).
- Development of TMDL for nutrients for Joes Creek (Pinellas County).
- Bacteria source identification and remediation in the Hillsborough River, Upper Peace River, and Lower St. Johns River watersheds.

- Nutrient loading evaluations, EAs, and remediation in Greater Tampa Bay, Sarasota Bay, Lake Hancock, Winter Haven Chain of Lakes, Wekiva River, and Rock Springs watersheds.
- Sediment studies and groundwater evaluations in Lake Hancock and Winter Haven Chain of Lakes.
- TMDL reviews and evaluations in Hillsborough, Pinellas, Sarasota, Polk, Orange, Seminole, Collier, and Dade counties and the City of Winter Haven.

In addition to assisting the state, PBS&J provides ongoing TMDL services directly to local governments throughout Florida. By verifying the impairments, evaluating the nature and sources of impairment, and identifying appropriate management strategies, we have saved our clients significant time and money.

#### Client Contact

John Abendroth, Environmental Administrator, FDEP  
2600 Blair Stone Road, Tallahassee, FL 32399-2400  
john.abendroth@dep.state.fl.us  
850.245.8555  
850.245.8434 fax

**Year Completed:** Ongoing

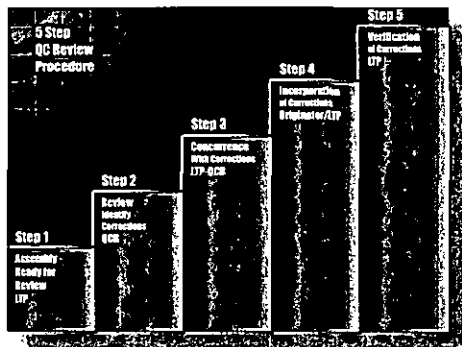
**Project Cost:** \$2.2 million

#### Project Team

Thomas L. Singleton, Contract Manager and Project Director  
David Tomasko, Ph.D., Project Manager, Senior Scientist  
Doug Robison, PWS, Principal, QA/QC  
Pam Latham, Ph.D., Principal Scientist  
Ralph Montgomery, Ph.D., Principal Scientist  
Bob Woithe, Ph.D., Principal Scientist  
Cheryl Propst, MS, CE, Senior Scientist, Project Manager  
Emily Keenan, Senior Scientist  
Ed Cronyn, PWS, Senior Scientist

### Quality Assurance Process and Procedures

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.



To ensure product quality, PBS&J implements a "5-Step Quality Control" process for each project, whereby an equally qualified technical professional who is not involved in the project provides a peer review of the deliverable work product. This helps eliminate errors and omissions and also helps reduce construction costs by reducing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is our commitment to the concept of total quality management and a commitment by all employees to work to meet the needs of all clients. Additionally, we ask that our subconsultants also implement a peer review of their work. Your project director, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated that this strategy works and we intend to continue this approach in the future. However, we are also receptive to new ideas, and we look forward to answering any questions you may have or suggestions you may offer to further improve this strategy to best serve your needs. We understand that there is always room to improve and we are open to your suggestions.

## Basic and Special Resources

5. 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.

*PBS&J maintains a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients.*

PBS&J maintains a full complement of SAS statistical software licenses to manage and analyze water quality data. These tools enable PBS&J's technical staff to manage and integrate multiple databases and perform complex statistical analysis, especially related to TMDL water quality assessments. To assist local governments in these assessments, PBS&J maintains an in-house copy of the complete Florida STORET water quality database, consisting of more than 60 million records. This allows us to carefully review all of the data used in the state's TMDL listings of impaired waters. No other consulting firm in the state has this capability.

Having access to all of the data used in the state's TMDL program has enabled us to identify significant errors in the Florida STORET database including sampling station assignments, reporting units, duplicate data, and errors in the state's impaired surface waters rule (IWR) analysis. By identifying these errors, we have been successful in removing waters from the state's list of impaired waters, revising TMDLs, and identifying unsuccessful restoration strategies. This has allowed our local government clients to focus their limited resources on appropriate management actions for restoring water quality—saving them significant time and money.

PBS&J's network and associated equipment are strengths of our team and proposal. The PBS&J network provides nationwide connectivity via our dedicated virtual private network (VPN) connections to all of our offices, which offers our clients a pool of resources—regardless of location.

PBS&J employees and vendors are equipped with remote VPN access to allow for productivity beyond the confines of our traditional office hours and walls to support of any of our products. PBS&J uses innovative technology to secure the networked environment including firewalls, virus scanning, IP-based encryption, communication filtering for spam, and content filtering of illegitimate websites in an effort to maximize productivity and minimize the possibility of data loss.

PBS&J is aware that accidents and disasters happen, and we maintain a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients. We employ companies, such as Iron Mountain and AT&T, as redundant data centers and for records and data retention. All levels of management are involved in the recovery process, and the recovery design is reviewed twice a year.

PBS&J also operates and maintains complete hardware and software technology in support of our database and GIS solutions. These resources include AutoCAD Civil 3D, MicroStation, and a full array of ARC/INFO products and compatible hardware. Our staff includes ESRI-certified instructors, Avenue and Visual Basic

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programmers, hardware and network installation specialists, and analysts familiar with engineering problems and procedures.

PBS&J also provides web development and web hosting services to our clients, including development of basic websites, web-based database sites, map-based sites, and project-specific sites.

PBS&J's team will not require facilities beyond our existing and continually updated systems and software products. A description of our system components follows.

Software Capabilities:

- Microsoft Office 2007
- AutoDesk AutoCAD and Civil 3D 2011
- Microstation 8 and VM (Geopak 2008)
- ERSI ArcView 9.3 and 10.0
- Seagate Crystal reports, version 5
- Modeling software (SWMM, HEC, Cybernet, XP-SWMM, H20Net version 3.0, WaterCad version 3.0, StormCAD version 3.0, InfoWater)
- Microsoft Internet Explorer 8
- Adobe Suite CS4
- Adobe Acrobat 7.0 Standard and Professional 8.0, 9.0, and 10.0



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.



# D

## Effect of Firm's Recent, Current and Projected Workload

Stormwater Engineering

### Current Projects and Completion Dates

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

Projects were listed in Part B of this proposal, Experience With Projects of Similar Type and Size.

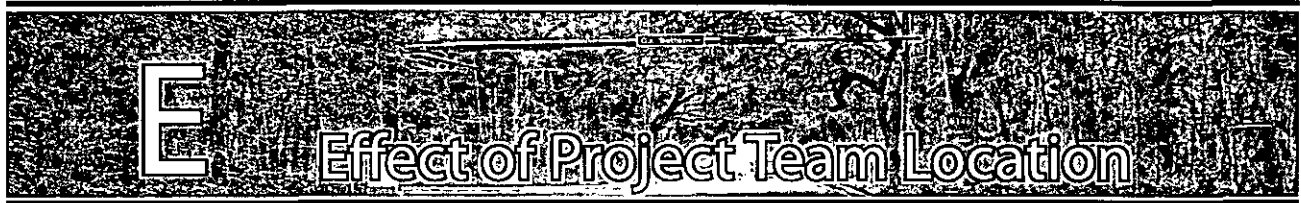
### Ability to Absorb Leon County Projects

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

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee office has more than 130 employees representing every service provided by PBS&J.*

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. PBS&J will be fully available and accessible to meet the needs of the County.



*Stormwater Engineering*

## **Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### ***Community Involvement***

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



## Stormwater Engineering

### Approach to Accepting and Completing Projects

*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.*

### Approach to TMDLs, NPDES, and Watershed Management Plans

*New state and federal stormwater regulations have the potential to impact every area of Leon County's government businesses, from land development to capital improvements, and PBS&J has a thorough understanding of these regulations.*

The County of Leon requires the services of a qualified consultant in support of its Stormwater Utility Program to prevent flooding and restore and protect water quality in the community. However, new state and federal stormwater regulations have the potential to impact every area of the County's government businesses, from land development to capital improvements. As such, a thorough understanding of these regulations is required to guarantee regulatory compliance and financial stability.

PBS&J understands that the County desires a consultant that is an expert in:

- Water quality standards development and their revision process and is fully engaged with state and federal regulators overseeing and implementing water quality standards programs;
- The County's National Pollution Discharge Elimination System (NPDES) permit and how FDEP and EPA write stormwater permits under state and federal regulations;
- The most current guidance, policies, and regulations governing the development of both technology and water quality-based effluent limits for National Pollution Discharge Elimination System (NPDES) permits;
- Water quality assessments and impairment designations;
- TMDL development and implementation;
- Best Management Practice (BMP) selection and stormwater design, and;
- NPDES monitoring, reporting, and permit compliance.

PBS&J is a statewide leader in providing these services. We have assisted state and local governments in implementing all phases of the TMDL and NPDES regulatory programs in Florida. Currently, we are providing assistance to these parties in evaluating the impact of the state's new stormwater rule and the numeric nutrient criteria established by the U.S. Environmental Protection Agency (EPA) for lakes, springs, and streams in the state.

It is our experience that because these requirements are relatively new, complex issues have arisen about the quality of monitoring data and the appropriateness of standards, analysis procedures, and implementation details. Utilizing state-of-the-art database management software, appropriate numerical models, and sophisticated statistical methodologies, PBS&J has assisted central Florida clients,

including Seminole, Orange, Hillsborough, Miami-Dade, and Brevard Counties and the City of Winter Haven, with the verification of monitoring data used to list impaired water bodies, determine appropriate standards for listed segments, and assess the equity of any mandated pollution load reduction.

PBS&J has also worked with central Florida local governments on the development of cost-effective strategies for complying with required pollutant load reductions and in the preparation of basin management action plans (BMAP). Our approach has been to help develop science-based TMDLs and BMAPs that include projects and management strategies that will help solve the identified problems and can realistically be implemented.

To assist the County in its interaction with both FDEP and EPA, PBS&J is prepared to perform any or all of the below-listed tasks, as requested by the County:

*PBS&J has worked with central Florida local governments on the development of cost-effective strategies for complying with required pollutant load reductions and in preparing basin management action plans (BMAP).*

- For waterbodies listed as impaired by either FDEP or EPA, PBS&J will review data sets that resulted in the determination of impairment, to verify the data are accurate and representative of field conditions and the impairments are valid or due to natural conditions.
- For waterbodies that may have TMDLs produced for them, PBS&J will review the data sets, algorithms and hydrologic, pollutant loading, and water quality models used to develop the TMDLs to ensure they are realistic and achievable.
- For waterbodies that will have BMAPs produced for them, PBS&J will review TMDL and BMAP reports to ensure that the County only commits itself to water quality restoration projects that are scientifically sound and defensible. We will identify and design appropriate restoration measures and consider the economic impact of both new capital projects and local regulations that may be required to achieve the required pollutant load reductions.
- Development and implementation of water quality monitoring programs to demonstrate the effectiveness of actions to reduce pollutant loads and restore water quality and as may be required in the County's NPDES permit. This is especially important as the County's NPDES permit will be the enforcement mechanism for stormwater management activities. Prepare reports and other documentation to demonstrate compliance with all NPDES requirements.
- Data compilation, review, analysis, and interpretation to identify potential implications of EPA's numeric nutrient criteria for lakes and streams, particularly in comparison with FDEP's current and/or proposed impairment criteria.
- Technical support in regard to potential changes in the statewide stormwater rule, including a review of the County's ordinances and regulations for consistency with the rule.
- Advise the County on the reclassification of Class III water bodies by the state and the implementation of the proposed pollutant trading rule.

A major objective during the BMAP development process is to maximize and leverage the County's past and current practices for credits in structural and non-structural activities. Our approach is to work with FDEP to provide credits for all projects that might have not been considered when the initial pollutant load estimates were conducted. We also provide review of event mean concentrations (EMC) that were used for the initial pollutant load estimating for consistency with field conditions. For example, we recently finalized a major wet weather monitoring project in Sarasota County and determined EMCs for land use sub-categories, such as residential areas designed with swales, are significantly lower than those commonly used by FDEP.

The implementation of BMAP will require institutional changes at the local level. PBS&J will support the County in identifying an organizational structure that will allow a systematic approach to plan implementation including planning, NPDES compliance monitoring, reporting tools, staff training, and integrated scheduling.

The BMAP implementation process will not be exclusive to the County. *Coordination is necessary with other local governments, agencies, environmental groups, and the general public.* PBS&J will work with stakeholders to identify potential joint projects and with regulators to ensure that projects accomplish the desired objectives. In addition, PBS&J will work with the County to develop and implement public participation programs needed to obtain needed support from County residents and environmental groups.

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J is a statewide leader in developing watershed management plans, including the compilation of digital topographic information, watershed evaluation, evaluation of existing conditions, and identification/implementation of watershed improvements. To facilitate the planning process, PBS&J has fully integrated hydrologic and hydraulic (H&H) and water quality models with water resource GIS information systems. We have extensive experience in developing stormwater inventories as part of the process. Data storage is in ArcHydro/Geographical Watershed Information Systems (GWIS) format. PBS&J is able to provide user-focused GIS services ranging from a simple pop-up custom help page to custom ArcGIS interfaces that guide users through data entry and maintenance. GIS database experts can link outfalls and stormwater facilities to maintenance schedules and permit requirements tables, or provide Web-enabled access to GIS data in dashboards for County managers.

## **Additional Approach Information**

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

### ***Step 1: Kickoff Meeting***

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations.

During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

### ***Step 3: Notice-to-Proceed***

*By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.*

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.

*PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff.*

### ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County.

We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

### ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point

of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

### ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

### ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

*Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director.*

Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.).

PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.



*The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs.*

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### **Peer Review/Quality Assurance Plan**

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.



Roadway Design

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff Assigned	# of Staff Resources Available
Roadway Design	12	10	139

While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.

Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Several of our staff have devoted 40% to 50% of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Roadway Design at a Glance									
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Roadway Design	Knowledge of FDOT and County Standards	Roadside Drainage and Treatment	Expert Witness Services	Right of Way Acquisition Support	
Michael A. Scibelli, PE	Client Service Manager	Tallahassee, FL	14 (14)	■	■	■	■	■	
M. Todd French, PE	Project Manager	Tallahassee, FL	11 (4)	■	■	■			
Matthew M. Johnson, PE	Roadway Design	Tallahassee, FL	8 (0)	■	■				
Nicholas A. Grosso, PE	Roadway Design	Tallahassee, FL	5 (0)	■	■				
Jon R. McClain	Roadway Design	Tallahassee, FL	1 (15)	■	■				
Christopher R. Hack, PE	Roadway Drainage/Expert Witness-Drainage	Tallahassee, FL	9 (19)	■	■	■	■		
Hardy G. Smith, REB	Right-of-Way Acquisition	Tallahassee, FL	12 (2)	■	■			■	
Kim A. Woliver, PE	Quality Assurance-Roadway/Expert Witness-Roadway	Chipley, FL	19 (8)	■	■		■		
Ronnie H. Peel	Quality Assurance-Roadway	Chipley, FL	3 (37)	■	■				
Cynthia J. Skogsberg, PE	Quality Assurance-Drainage	Orlando, FL	20 (9)	■	■				
Harry L. Wood	Quality Assurance-Constructability/Biddability	Tallahassee, FL	5 (28)	■	■				
Robert L. Farley, RLA, LEED AP	Certified Arborist	Tallahassee, FL	7 (27)		■				

## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter >Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050*

*City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise*

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### ***HSA Consulting Group, Inc. (HSA) – Survey***



**HSA Consulting Group**

*HSA  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308  
ph. 850.309.7510  
fax: 850.309.0246  
Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida*

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### **HSA Local Experience**

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project

#### ***Nodarse & Associates, Inc. (N&A) – Geotechnical***



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials



testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing

### ***Salter > Mitchell, Inc. – Public Relations***

**salter  
mitchell**  
MARKETING FOR CHANGE

*Salter>Mitchell*  
117 South  
Gadsden Street  
Tallahassee,  
Florida 32301  
Ph. 850.681.3200  
fax 850.681.7200

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

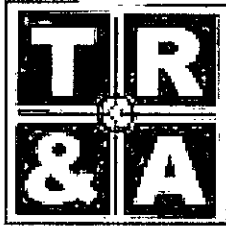
### **Salter Mitchell Local Experience**

- Killlearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations

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## ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

### **TR&A Local Experience**

- “M” Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

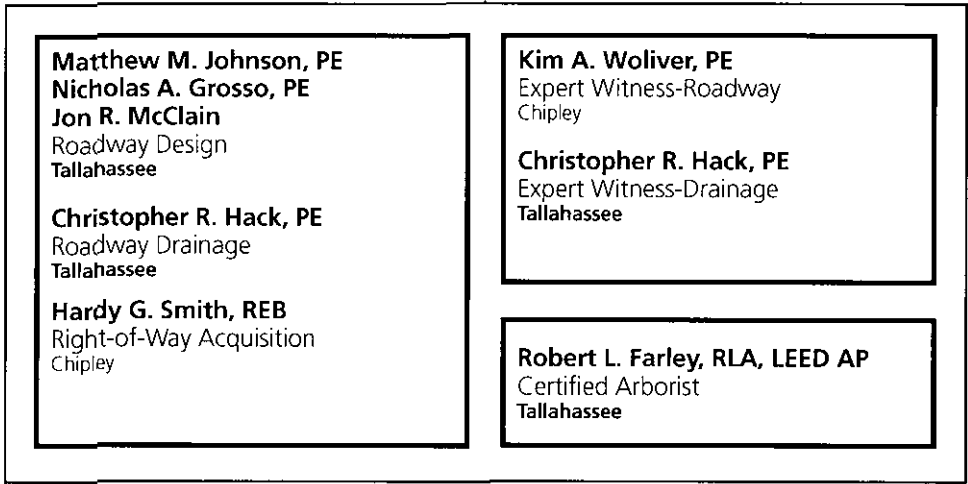
# Roadway Design



**Quality Assurance**  
**Kim A. Woliver, PE**  
**Ronnie H. Peel**  
Roadway  
Chipley  
**Cynthia J. Skogsberg, PE**  
Drainage  
Orlando  
**Harry L. Wood**  
Constructability/Biddability  
Tallahassee

**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**M. Todd French, PE**  
Project Manager  
Tallahassee



# Michael A. Scibelli, PE

*Client Service Manager, Project Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall Client Service Manager for every civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the Primary Client Service Manager for Leon County and he has served as the Project Manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for several years and he is committed to continuing to be Leon County's Client Service manager and a Project Manager for Leon County to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA big bend chapter as Projects of the Year. One such project was the Killearn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1300 residents of Killearn Lakes Plantation Units 1 & 2. The neighborhood had experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5% of the County's original budget estimate. During the entire project, only one tree was removed after over 100,000 feet of sewer pipe had been installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the City limits. This project was permitted and built and the final cost was approximately 20% below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association

Water Environment Federation (WEF)

Society of American Military Engineers (SAME)

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the past 10 years**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

**Recent Leon County Projects:**

**Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killcam Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

**Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

**Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

**Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killcam Lakes Sidewalks Design, Permitting & Construction Administration.

**Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

**Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

**Utility Engineering**

- Project manager for Killcam Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# M. Todd French, PE

*Roadway Design Project Manager*

*Past Job Assignments:* Project Manager, Engineer of Record

*Years with PBS&J: 11*

*Years with other Firms: 4*



## Education

B.S., Civil Engineering, Florida State University, 1995

A.A., General Studies, Pensacola Junior College, 1990

## Registrations/Licenses

Professional Engineer  
Florida 56711, 2001

Mr. French has more than 15 years of experience in transportation and general civil engineering. His duties include designing, coordinating and supervising transportation projects in Northwest Florida and providing project management and quality assurance for the delivery of professional services. Mr. French has been involved with the permitting, design, and plans production of several projects for the Florida Department of Transportation (FDOT), Leon County and the City of Tallahassee as well as for private developers including St. Joe Company. Mr. French has also been involved with project development and environment (PD&E) studies, concept reports, resurfacing, rehabilitation, and restoration (RRR) projects, and right-of-way mapping for FDOT. Mr. French's representative project experience includes:

### **Meridian and Ox Bottom Intersection Improvements, Leon County, Tallahassee, Florida**

**Type of Project:** Roadway Design

**Size of Project (Design Fee): \$118,000.** Widening Meridian Road for the addition of a left turn lane. The intersection was signalized. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** Mr. French was the engineer of record for the addition of a left-turn lane on a canopy road.

### **Meridian and Bannerman Intersection Improvements, Leon County, Tallahassee, Florida**

**Type of Project:** Roadway Design

**Size of Project (Design Fee): \$118,000.** Widening Meridian Road for the addition of a left turn lane. The intersection was signalized. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** Mr. French was the engineer of record for the roadway design.

### **New Alignment from SR 10 to SR 12 (Quincy Bypass), FDOT District Three Gadsden County, Florida**

**Type of Project:** Roadway Design

**Size of Project (Estimated Construction Cost): \$12,000,000.** The design of 1.5 miles of a new roadway from SR 10 to SR 12 in Quincy, Florida. The proposed typical section provided two 12-foot lanes with 10-foot shoulders (5-foot paved) as well as the design of stormwater ponds and a 1,050-ft bridge over Quincy Creek. The project included preliminary and final design, drainage and stormwater, permitting, surveying, and geotechnical investigations.

**Specific Project Involvement:** Mr. French served as engineer of record for this design of 1.5 miles of rural, two-lane, new alignment in Quincy, Florida.

### **US 98 (SR 30) Realignment, Segment 2, Opportunity Florida**

**Type of Project:** Roadway Design

**Size of Project (Estimated Construction Cost): \$43,000,000.** This project involves engineering design and environmental services for a new alignment of 5.3 miles of the Gulf to Bay Highway (US 98 Segment 2) from Segment 1 to CR 386 including a 2,048-foot bridge over Panther Swamp in Gulf County. The

project included preliminary and final design, drainage and stormwater, permitting, surveying, right-of-way control, and geotechnical investigations.  
**Specific Project Involvement:** Mr. French is project manager and engineer of record for the realignment of approximately 6.5 miles of rural, two-lane, new alignment for US 98 in Gulf County, Florida.

**US 98 (SR 30) Realignment, Segment 3, Opportunity Florida**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$15,000,000.** This project involves engineering design and environmental services for a new alignment of 3.9 miles of the Gulf to Bay Highway (US 98 Segment 3) from CR 386 to a point south of Tyndall Air Force Base including a 510-foot bridge over Cypress Creek in Bay and Gulf Counties. The project includes preliminary and final design, drainage and stormwater, permitting, surveying, right-of-way control, and geotechnical investigations.

**Specific Project Involvement:** Mr. French is project manager and engineer of record for the realignment of approximately 3.9 miles of rural, two-lane, new alignment for US 98 in Gulf and Bay Counties, Florida.

**Apalachee Parkway and Magnolia Drive Intersection Improvements, Capital Region Community Development District, Tallahassee, Florida**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$700,000.** Design left turn lanes from Apalachee Parkway onto Magnolia Drive and add dedicated right turns from Apalachee Parkway onto Magnolia Drive. Additionally mast arms were added. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, and Traffic control plans.

**Specific Project Involvement:** Mr. French was the engineer of record for the roadway design.

**SR 79 Multi-Use Path, Panama City Beach, Florida**

**Type of Project: Multi-Use Trail**

**Size of Project (Design Fee): \$240,000.** Provided the City of Panama City Beach with design services for approximately 2.5 miles of 10-foot-wide, asphalt multi-use trail along the east side of SR 79 beginning 1.9 miles north of US 98 (Back Beach Road). The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, cost estimating, contract duration

**Specific Project Involvement:** Mr. French was the engineer of record for 2.5 miles of 10 foot wide multi-use path along SR 79.

**Neighborhood Infrastructure Improvements, City of Tallahassee, Tallahassee, Florida**

**Type of Project: Roadway Design**

**Size of Project (Design Fee): \$228,000.** Provided the City of Tallahassee with continuing services for infrastructure improvements to city streets. These services included evaluation of several city streets for bicycle, pedestrian, and Americans with Disabilities Act (ADA) improvements and the preparation of preliminary engineering reports for needed improvements. Infrastructure improvements identified for a 4,100-linear-foot section of Pepper Drive, Putnam Drive, Wallis Street, and Calhoun Street included adding curb and gutter, bike lanes, and sidewalks.

**Specific Project Involvement:** Mr. French provide Quality Assurance.



# Kim A. Woliver, PE

*Quality Assurance: Roadway*

*Expert Witness: Roadway*

*Past Job Assignments: Project Manager*

*Years with PBS&J: 20*

*Years with other Firms: 8*



## Education

M.S., Civil Engineering, University of Tennessee, 1984

B.S., Civil Engineering, University of Tennessee, 1983

## Registrations/Licenses

Professional Engineer  
Florida 42122, 1989

## Certifications

Certified Stormwater Management  
Inspector (1895), DEP, 2001  
Advanced Maintenance of Traffic  
Certification (PBSJ-0237),  
FDOT, 2001  
Private Pilot, Single Engine Land &  
Instrument Airplane, 1985,  
USA

Mr. Woliver has more than 28 years of engineering experience. 14 of those years include managing projects exclusively for the Florida Department of Transportation (FDOT), District Three. Since 1993, he has managed over 100 projects for the FDOT. Mr. Woliver became the functional manager of production for District Three's general engineering services (GEC) program during 1998 and served in this role until the fall of 2006. As functional manager, his primary responsibilities included oversight, direction and QC support for the GEC project management team; management of the FDOT's concept report and scope development program, (i.e. their 3R program); support to the FDOT design and work program offices; coordination with the District on resource loading and project assignments; and the management of major and miscellaneous minor design consultant contracts. He also managed preparation of contract files and plan packages for delivery to Central Office for letting as well as coordination of projects from construction to completion. Mr. Woliver managed several large capital improvement projects on the Governor's Mobility 2000 project list. Mr. Woliver has a great working relationship with FDOT. His central Florida experience includes a broad range of projects involving transportation planning; traffic modeling; traffic operations; management and/or development of conceptual and final roadway designs, signing and pavement marking plans, development of maintenance of traffic plans and project management.

A sample of Mr. Woliver's project experience includes the following:

### Financial Project 222467, Pensacola, Florida

**Type of Project:** FDOT Interstate Widening Project

**Size of Project (dollar amount and scope):** \$27M (Construction Cost). This project consists of the six-laning of SR 8A (I-110) from Maxwell Street to Fairfield Drive. Interchange improvements at Fairfield Drive as well as the reconstruction and widening of Fairfield Drive and Davis Highway within the influence of the interchange are scheduled.

**Specific Project Involvement:** Mr. Woliver acted as an extension of the FDOT, as the District project manager. His served as the single point-of-contact for this project.

### Financial Project 222466, Pensacola, Florida

**Type of Project:** FDOT Interstate Widening Project

**Size of Project (dollar amount and scope):** Task performed as part of the GEC program management of District Three. Provide six basic lanes from north of Fairfield Drive to Airport Boulevard. The project included construction of continuous auxiliary lanes between the Fairfield Drive and the Brent Lane interchange as well as the replacement of bridge structures at Hyatt Street and Brent Lane.

**Specific Project Involvement:** Mr. Woliver acted as an extension of the FDOT, as the District project manager. His served as the single point-of-contact for this project.

## Kim A. Woliver, PE

Quality Assurance: Roadway  
Expert Witness: Roadway

### **Financial Project 220644, SR 30A (US 98) From Peach Creek to Bay County**

**Type of Project:** FDOT Roadway Reconstruction Project

**Size of Project (dollar amount and scope):** Task performed as part of the GEC program management of District Three. This was an 8.9-mile, capital improvement project, consisting of both rural and urban design elements. The project completed the multi-laning of US 98 between Bay County and Escambia County, Florida. The facility was designed as a four-lane highway with provisions for six lanes in the future.

**Specific Project Involvement:** Mr. Woliver acted as an extension of the FDOT, as the District project manager. He served as the single point-of-contact for this project.

### **Homestead Extension to Florida's Turnpike Enterprise (HEFT) Hurricane Andrew Emergency Response, Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise, Ocoee, Florida**

**Type of Project:** Emergency Management

**Size of Project (dollar amount and scope):** \$15M (Construction). PBS&J conducted extensive traffic monitoring and analyses to determine the impact of resuming toll collection activities through toll plazas and recommended accelerated projects to reduce delays, increase capacity, and improve traffic circulation in the area.

**Specific Project Involvement:** Immediately following Hurricane Andrew, Mr. Woliver was involved in the damage assessment, review and guide-sign restoration along the Homestead Extension.

### **Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise, Ocoee, Florida**

**Type of Project:** Turnpike Improvement

**Size of Project (dollar amount and scope):** \$79.5M. Involved project management, roadway design, architectural and civil design services, environmental, utility relocation, survey, right-of-way, and geotechnical services. The contract was established to provide resources and staffing to meet surges in workload or to provide specialized expertise for road and bridge projects throughout the 16-county district.

**Specific Project Involvement:** Mr. Woliver was involved in the review of roadway and toll facility signing and pavement marking plans for the Turnpike.

### **Presentations**

"District Three Scope Development" District Three Design Conference, 2005

"Escambia County Area Wide Project Coordination," City of Pensacola,

Escambia County, Emergency Management Office, TCC, CAC, MPO, 2002

### **Professional Affiliations**

Aircraft Owners and Pilots Association (AOPA)

American Society of Civil Engineers (ASCE)

Experimental Aircraft Association

Florida Engineering Society (FES)

National Society of Professional Engineers (NSPE)

# Ronnie H. Peel

**Quality Assurance: Roadway**

**Past Job Assignments:** Project manager

**Years with PBS&J: 3**

**Years with other Firms: 37**



## Education

A.A., Drafting and Design, Chipola  
Junior College, 1969

Mr. Peel has 40 years of roadway design experience involving plans preparation of roadway plans, reviewing plans, as well as reviewing many different types of documents necessary for approval in the plans preparation process. He has 12 years of experience at the engineering technician level performing all facets of the preparation of roadway design plans; two years as a driveway permits technician in the FDOT's DeFuniak Springs Office; three years as an assistant designer in the preparation of roadway design plans; and eight years as the designer/project manager preparing roadway plans for FDOT District Three. He has 12 years experience serving as the Roadway Design Quality Control Manager/Senior Designer. His duties involved managing the Plans Review Section, phase reviews of design plans, reviewing design exceptions/variations, Utility Exceptions, typical section packages, access management plans, pavement designs, Lapp Projects, Landscape Plans as well as serving on numerous committees including the Senior Designer's Committee.

Mr. Peel's PBS&J project experience includes:

### **Quincy Bypass Plans Review and Update Design Services, Florida Department of Transportation District Three, Gadsden County, FL Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$12,000,000.** Review and update of design plans for the Quincy Creek Bypass, a new roadway alignment between SR 10 (US 90) to SR 12 in Gadsden County. A new two-lane roadway with ten-foot shoulders connecting SR 10 from the intersection of SR 10 and Strong Road north to SR 12 just south of existing C&E Farm Road will be constructed. Improvements will be made to these two intersections, including realigning the existing C&E Farm Road, as a four-leg intersection with the proposed new alignment. The plans update will also include the lengthening of the current proposed bridge over Quincy Creek from 1050.5 feet to 1241.5 feet, extending it from a diagonal spanwire assembly to a box spanwire assembly at the intersection of SR 10 and the alignment.

**Specific Project Involvement:** Mr. Peel provided Quality Assurance for roadway design, signing and pavement markings, and Traffic Control Plans.

### **US 98 (SR 30) Realignment, Segment 2, Opportunity Florida, Gulf County FL**

#### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$43,000,000.** This project involves engineering design and environmental services for a new alignment of 5.3 miles of the Gulf to Bay Highway (US 98 Segment 2) from Segment 1 to CR 386 including a 2,048-foot bridge over Panther Swamp in Gulf County. The project included preliminary and final design, drainage and stormwater, permitting, surveying, right-of-way control, and geotechnical investigations.

**Specific Project Involvement:** Mr. Peel provided Quality Assurance for roadway design, signing and pavement markings, and Traffic Control Plans.

**US 98 (SR 30) Realignment, Segment 3, Opportunity Florida, Gulf and Bay Counties, FL**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$15,000,000.** This project involves engineering design and environmental services for a new alignment of 3.9 miles of the Gulf to Bay Highway (US 98 Segment 3) from CR 386 to a point south of Tyndall Air Force Base including a 510-foot bridge over Cypress Creek in Bay and Gulf Counties. The project includes preliminary and final design, drainage and stormwater, permitting, surveying, right-of-way control, and geotechnical investigations.

**Specific Project Involvement:** Mr. Peel provided Quality Assurance for roadway design, signing and pavement markings, and Traffic Control Plans.

**US 331 Widening Design Services, Walton County LAP Project, Walton County, FL**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$21,000,000.** The proposed project is to reconstruct SR 83 (US 331) from north of Owl's Head Road to Edgewood Circle – from a two-lane undivided arterial to a four-lane divided arterial. The project length is approximately 4.204 miles. The facility is designated a Hurricane Evacuation Route. This contract will produce three distinct sets of plans; a combination of two sets will span the entire project limits. Set one will consist of the four-lane divided arterial plans from Owl's Head Road to the northern property line of Nokuse Plantation. Set two will consist of the four-lane divided arterial plans beginning at that common northern property line point and proceed northward to Edgewood Circle. Set three will consist of milling and resurfacing plans beginning at the common northern property line point and proceeding northward to Edgewood Circle. The proposed roadway typical section will consist of two 12-foot lanes in each direction separated by a 40-foot depressed, grassed median. Twelve-foot outside shoulders (five-foot paved) are proposed with eight-foot unpaved inside shoulders.

**Specific Project Involvement:** Mr. Peel provided Quality Assurance for roadway design, signing and pavement markings, and Traffic Control Plans.

**Honors and Awards**

District Three Sustained Superior Performance Award, 2007

Davis Cup Award for Innovation on the SR 30A (Back Beach Road) Project  
(Team Award)

# Cynthia J. Skogsberg, PE

*Quality Assurance: Drainage*

*Past Job Assignments: Drainage Project Manager*

*Years with PBS&J: 20*

*Years with other Firms: 9*



## Education

B.S., Environmental Engineering,  
University of Central Florida,  
1980

## Registrations/Licenses

Professional Engineer:  
Florida 38832, 1987

## Professional Affiliations

American Society of Civil  
Engineers (ASCE)

Ms. Skogsberg has 29 years of experience in the design of primary and secondary drainage systems for rural, urban, and expressway roads; bridge hydraulic and scour analyses; and site development drainage. Ms. Skogsberg also provides quality control reviews for in-house design projects ranging from project development and environment (PD&E) reports to bridge hydraulics reports to final design plans and calculations. She is experienced in use of the following hydraulic software: Water-Surface PROfile (WSPRO), Advanced Interconnected Pond Routing (AdICPR), HEC-RAS, and various hydraulics engineering packages (HEC-2, HY-8, and WSPGW). She is also familiar with HEC-18, HEC-20, and HEC-23, and the Florida Pier Scour program. Ms. Skogsberg has knowledge of the various agencies and regulations involved in water management projects including Federal Emergency Management Agency (FEMA) regulations, National Pollutant Discharge Elimination Study (NPDES) regulations, Clean Water Act (CWA) Section 404 permitting requirements, environmental resource permits (ERP) through the water management districts, and Florida Department of Environmental Protection (FDEP) regulations.

Ms. Skogsberg's related project experience includes:

**SR 25 Widening from North of Lake Louisa Road to North of Cluster Oak Drive, Lake County, Florida (FDOT Financial Project Number: 238423-1-52-01)**

**Type of Project: Roadway Design**

**Size of Project (dollar amount and scope): \$19.8M (Design-Build).** Provide a six-lane suburban typical section with bike lanes and sidewalk in each direction. The project includes construction of new stormwater management systems including new storm structures, pipes, and stormwater retention ponds; installation of signalization improvements at four major intersections within the projects limits; and extensive utility coordination with the numerous utility agency/owners (UAO) throughout the project corridor.

**Specific Project Involvement:** Ms. Skogsberg provides drainage support.

**General Engineering Consultant (GEC), Orlando-Orange County Expressway Authority (OOCEA), Orlando, Florida**

**Type of Project: GEC**

**Size of Project (dollar amount and scope): \$7M** Six design contracts for the 23-mile segment of SR 417, beginning west of I-4 and connecting to the BeeLine Expressway. For this project, she prepared the permit applications and coordinated the environmental permitting with FDEP, U.S. Army Corps of Engineers (USACE), and FEMA (Conditional Letters of Map Revision).

**Specific Project Involvement:** Ms. Skogsberg was responsible for drainage review and coordination of the six design contracts for the 23-mile segment of SR 417, beginning west of I-4 and connecting to the BeeLine Expressway. For this project, she prepared the permit applications and coordinated the environmental permitting with FDEP, U.S. Army Corps of Engineers (USACE), and FEMA (Conditional Letters of Map Revision).

**SR 77 Widening Drainage Design, Bay County, Florida**

**Type of Project: Roadway Drainage Design**

**Size of Project (dollar amount and scope): \$11.1M (Design-Build).** Services

# Cynthia J. Skogsberg, PE

*Quality Assurance: Drainage*

provided as a subconsultant to HDR included the preparation of the preliminary and final pond siting report(s); design of all drainage facilities including stormwater treatment ponds, cross drains, storm sewer systems, and erosion control plans; and preparation of required permit packages for submission to FDEP. Drainage engineering and design was provided for approximately 190 acres including nine stormwater ponds, and six linear stormwater treatment/attenuation facilities to ensure pre-post volume discharges were met in this land-locked basin area.

**Specific Project Involvement:** Ms. Skogsberg was the project manager responsible for overall design concept and coordination with the roadway designer on the roadway profile and super-elevation to facilitate drainage. This project for the Florida Department of Transportation (FDOT) District Three involved the two- to four-lane widening of a 5.76-mile section of SR 77 extending from the Bay County line northward to CR 279.

## **SR 15/600 Interchange at SR 436 PD&E Study and Final Design, FDOT District Five, DeLand, Florida**

### **Type of Project: PD&E**

**Size of Project (dollar amount and scope): \$832,000.** For the PD&E project, she provided drainage concepts, as documented in the pond siting report, for the alternate interchange configurations that were developed in conformance with FDOT District Five requirements. The study covered the preliminary engineering design as well as the feasibility, analysis, and environmental impact evaluation of establishing an interchange for SR 15/600 at SR 436 in Seminole County, Florida.

**Specific Project Involvement:** As drainage engineer for the final design of this interchange, Ms. Skogsberg was responsible for the storm drainage system design, design for maintenance of drainage during construction including sediment and erosion control design, and final stormwater management design and permitting.

# Harry L. Wood

**Quality Assurance: Constructability/Biddability**

**Past Job Assignments:** Project Manager, Project Administrator, Quality Assurance

**Years with PBS&J: 5**

**Years with other Firms: 28**



## Certifications

FDOT Advanced MOT

Certified Public Manager, Levels I and 2

Consultant Construction Engineer Inspection (CEI) Project Manager

CTQP Final Estimates Level 2

National Pollutant Discharge Elimination System (NPDES)

CTQP QC Manager

## Professional Development

Federal Project Coding

LIMS, Module 1

Mutual Gains Approach to Negotiation

Claims/Deposition

Construction Claims Management Training

Density Earthwork Inspection Training (DEIT)

Construction Contract Interpretation

Project Engineers School

Accident Investigation and Reports

HAZMAT Transporting

Earthwork, Density Record System Claims, Negotiation and

Documentation

Flexible Pavement Design

Contract Estimating Systems

Application of Traffic Control in Work Areas

Traffic Controls/Safe Practices

Mr. Wood has 34 years of experience with construction management. He has worked for over 27 years with the Florida Department of Transportation (FDOT) and has extensive construction, design, and project management experience. In addition, Mr. Wood maintains numerous construction related certifications.

His relevant work experience includes:

**Project Name: SR 65 Liberty County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$9.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood is the Project Administrator on the \$9.5 million project Telogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

**Project Name: Buck Lake /Pedrick Road Improvements, Leon County**

**Type of Project: Reconstruction**

**Size of Project: \$4.9 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood is the project administrator for this \$4.9 million project in Leon County. The improvements under this contract consist of the reconstruction of the Pedrick/Buck Lake intersection including turn lane, curb and gutter, drainage, signal upgrades and landscaping. The widening of Buck Lake Road to include 2 travel lanes and 2 adjacent bike lanes and sidewalks.

**Project Name: Lake Jackson Ecopassage, FDOT District Three**

**Type of Project: Drainage and Wildlife Crossing**

**Size of Project: \$2.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood served as the project administrator for this \$2.5 million project that intended to decrease the wildlife mortality along SR 63 (US27/ North Monroe Street) in Tallahassee, FL. The improvements consisted of constructing two wildlife crossings (box culverts), wildlife barrier wall (sheet pile walls, gravity walls, retaining walls and box culvert wing walls), milling and resurfacing of existing lanes, and miscellaneous drainage structures.

**Project Name: US 98 Franklin County Hurricane, FDOT District Three**

**Type of Project: Coastal Repair and Protection**

**Size of Project: \$35.6 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood served as the part-time project administrator for this permanent repair project consisting of soldier pile, sheet piling and articulating concrete block to enhance shore protection.

## Harry Wood

*Quality Assurance: Constructability/Biddability*

**Project Name: US 98 Realignment, St. Joe Timberland Company**

**Type of Project: New Roadway and Bridge Construction**

**Size of Project: \$13.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood served as the project manager on the US 98 realignment project in Gulf County for St. Joe Towns and Resorts. This project consisted of constructing a new two-lane highway to move old US 98 away from the beach. This project also included major earthwork, drainage and two bridges.

**Project Name: River City Marketplace**

**Type of Project: Site Development**

**Size of Project: \$500 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood served as the project administrator who was responsible for monthly pay application for a \$500 Million commercial development that encompassed 487 acres in Duval County. The project included all the utility work, gas, water, sewer, electrical, lighting, signalization and interior road construction and parking lots.



# Matthew M. Johnson, PE

*Roadway Design Engineer*

*Past Job Assignments: Project Engineer*

*Years with PBS&J: 8*

*Years with other Firms: 0*



## Education

B.S., Civil Engineering, University of Florida, 2002

## Registrations/Licenses

Professional Engineer  
Florida 69754, 2009

## Software

Microstation J, Microstation V8,  
Microstation XM, AutoTurn,  
GuideSIGN, FDOT SiteMenu,  
Axiom, Geopak

## Professional Development

Florida Local Users Group (FLUG)  
Conference, November 2007,  
October 2008, October 2009

Florida Department of  
Transportation, District 3  
Design Conference, March  
2006

Florida Department of  
Transportation, Flexible  
Pavement Design, October  
2006

Florida Department of  
Transportation, Median  
Handbook Overview, October  
2006

Florida Department of  
Transportation, Introduction to  
Access Management, October  
2006

Mr. Johnson has eight years of roadway design experience involving geometric design in the preliminary, phase submittal, and final stage of the design process. His current general duties with PBS&J include roadway design, CADD support, and assistance to other departments involved in the design process. He has also worked on design documentation and plans preparation for various projects.

Mr. Johnson's PBS&J experience includes:

### **Meridian and Bannerman Intersection Improvements, Leon County, Tallahassee, Florida**

#### **Type of Project: Roadway Design**

**Size of Project (Design Fee): \$118,000.** Widening Meridian Road for the addition of a left turn lane. The intersection was signalized. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** Mr. Johnson served as lead design engineer responsible for roadway design, plans preparation, signing and pavement markings and design documentation.

### **Bannerman Road/Bull Headley Road Intersection Widening Design, Leon County, Tallahassee, FL**

#### **Type of Project: Roadway Design**

**Size of Project (Design Fee): \$173,000**

Widening Bannerman Road for the addition of a left turn lane. Project encompassed roadway design, stormwater conveyance, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** : Mr. Johnson served as the engineer of record. Project encompassed roadway design, stormwater conveyance, striping and pavement markings, utility coordination and Traffic control plans

Department of Transportation (FDOT), District One, involved the widening and reconstruction of a 2.7 mile segment of SR 70 from west of I-75 to Lakewood Ranch Boulevard from a two- and four-lane to a six-lane divided highway.

**Specific Project Involvement:** Mr. Johnson served as CADD support responsible for addressing and responding to phase submittal comments and quantity computation and documentation.

### **US 331 Widening Design Services, Walton County & Florida Department of Transportation (FDOT) District Three, Walton County, FL**

#### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$21,000,000.** The proposed

project is to reconstruct SR 83 (US 331) from north of Owl's Head Road to Edgewood Circle – from a two-lane undivided arterial to a four-lane divided arterial. The project length is approximately 4.204 miles. The facility is designated a Hurricane Evacuation Route. This contract will produce three distinct sets of plans; a combination of two sets will span the entire project limits. Set one will consist of the four-lane divided arterial plans from Owl's Head Road to the northern property line of Nokuse Plantation. Set two will consist of the four-lane divided arterial plans beginning at that common northern property line point and proceed northward to Edgewood Circle. Set three will

## Matthew M. Johnson, PE

*Roadway Design Engineer*

Florida Department of  
Transportation, Advanced  
Maintenance of Traffic,  
March 2010

Florida Department of  
Transportation, Specification  
Package Preparation Training,  
July 2010

consist of milling and resurfacing plans beginning at the common northern property line point and proceeding northward to Edgewood Circle. The proposed roadway typical section will consist of two 12-foot lanes in each direction separated by a 40-foot depressed, grassed median. Twelve-foot outside shoulders (five-foot paved) are proposed with eight-foot unpaved inside shoulders.

**Specific Project Involvement:** Mr. Johnson served as the engineer of record on Traffic Control Plans and as a design engineer responsible for roadway design, pavement design, plans preparation and submittal, quantity computation and documentation and design documentation.

### **Neighborhood Infrastructure Improvements, City of Tallahassee, Tallahassee, Florida**

**Type of Project: Roadway Design**

**Size of Project (Design Fee): \$228,000.** Provided the City of Tallahassee with continuing services for infrastructure improvements to city streets. These services included evaluation of several city streets for bicycle, pedestrian, and Americans with Disabilities Act (ADA) improvements and the preparation of preliminary engineering reports for needed improvements. Infrastructure improvements identified for a 4,100-linear-foot section of Pepper Drive, Putnam Drive, Wallis Street, and Calhoun Street included adding curb and gutter, bike lanes, and sidewalks.

**Specific Project Involvement:** Mr. Johnson serves as a design engineer responsible for roadway design, signing and pavement markings, CADD support, addressing and responding to phase submittal comments and plans preparation.

### **US 98 (SR 30) Realignment, Segment 3, Opportunity Florida**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$15,000,000.** This project involves engineering design and environmental services for a new alignment of 3.9 miles of the Gulf to Bay Highway (US 98 Segment 3) from CR 386 to a point south of Tyndall Air Force Base including a 510-foot bridge over Cypress Creek in Bay and Gulf Counties. The project includes preliminary and final design, drainage and stormwater, permitting, surveying, right-of-way control, and geotechnical investigations.

**Specific Project Involvement:** Mr. French is project manager and engineer of record for the realignment of approximately 3.9 miles of rural, two-lane, new alignment for US 98 in Gulf and Bay Counties, Florida.

### **Trieste Development Multi-Use Trail Design Services, City of Panama City Beach, Panama City Beach, FL**

**Type of Project: Multi-Use Trail**

**Size of Project (Design Fee): \$50,000.** This project for the City of Panama City Beach involved professional engineering services for the design and preparation of construction documents for two segments 12-foot wide, asphalt multi-use trail within the Trieste Development.

**Specific Project Involvement:** Mr. Johnson served as a design engineer responsible for design of the multi-use trail, CADD support, plans preparation and design documentation.

# Nicholas A. Grosso, PE

*Roadway Design Engineer*

*Past Job Assignments: Project Engineer*

*Years with PBS&J: 5 1/2*

*Years with other Firms: 0*



## Education

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

## Registrations/Licenses

Professional Engineer:  
Florida, 71591, 2010

## Software

Microstation J, Microstation V8,  
Microstation XM, AutoTurn,  
GuideSIGN, FDOT SiteMenu,  
Axiom, Geopak

## Professional Development

Florida Local Users Group (FLUG)  
Conference, November 2007,  
October 2008, October 2009

Florida Department of  
Transportation, District 3  
Design Conference, March  
2006

Florida Department of  
Transportation, Advanced  
Maintenance of Traffic,  
February 2010

Florida Department of  
Transportation, Specification  
Package Preparation Training,  
July 2010

Mr. Grosso serves as a transportation engineer in PBS&J's north Florida transportation services division. He has over 5 1/2 years of roadway design experience involving geometric design for all stages of the design process. His current general duties with PBS&J include roadway design, CADD support, and assistance to other departments involved in the design process. He has also worked on design documentation and plans preparation for various projects.

Mr. Grosso's PBS&J experience includes:

### **Gulf to Bay Highway (US 98) Realignment Segment 2 Design Services, Opportunity Florida**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$43,000,000.** This project is the design of 6.5 miles of new, 2-lane alignment for US 98 in Gulf County.

**Specific Project Involvement:** Mr. Grosso serves as a design engineer responsible for roadway design, signing and pavement markings, CADD support, addressing and responding to phase submittal comments and plans preparation.

### **Sidewalk Improvements Continuing Services, City of Tallahassee, Tallahassee, FL**

**Type of Project: Sidewalk & Roadway**

**Size of Project (Design Fee): \$140,000.** This project for the City of Tallahassee involved the design of approximately 4800' of sidewalk along existing roadways. The sidewalks were designed along the back of existing curb along 5 roadways, and one involved reducing the roadway width by 6',

**Specific Project Involvement:** Mr. Grosso serves as the engineer of record responsible for sidewalk and roadway design, plan preparation, permit preparation, quantity computation and cost estimate analysis..

### **SR 79 Multi-Use Trail Segment 3, City of Panama City Beach, Panama City Beach, FL.**

**Type of Project: Multi-Use Trail**

**Size of Project (Design Fee): \$91,000.** This project was for the design of 1.0 mile of 10-ft wide multi-use trail along SR 79. The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, cost estimating, and contract duration.

**Specific Project Involvement:** Mr. Grosso was the lead designer responsible for trail design, phase submittal comments, plans preparation, calculating quantities, and cost estimates.

### **US 331 Widening Design Services, Walton County & Florida Department of Transportation (FDOT) District Three, Walton County, FL**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$21,000,000.** The proposed project is to reconstruct SR 83 (US 331) from north of Owl's Head Road to Edgewood Circle – from a two-lane undivided arterial to a four-lane divided arterial. The project length is approximately 4.204 miles. The facility is designated a Hurricane Evacuation Route. This contract will produce three

## Nicholas A. Grosso, PE

Roadway Design Engineer

distinct sets of plans; a combination of two sets will span the entire project limits. Set one will consist of the four-lane divided arterial plans from Owl's Head Road to the northern property line of Nokuse Plantation. Set two will consist of the four-lane divided arterial plans beginning at that common northern property line point and proceed northward to Edgewood Circle. Set three will consist of milling and resurfacing plans beginning at the common northern property line point and proceeding northward to Edgewood Circle. The proposed roadway typical section will consist of two 12-foot lanes in each direction separated by a 40-foot depressed, grassed median. Twelve-foot outside shoulders (five-foot paved) are proposed with eight-foot unpaved inside shoulders. **Specific Project Involvement:** Mr. Grosso served as a design engineer responsible for roadway design, plans preparation, signing and pavement markings, quantity computation and design documentation.

### **Meridian and Ox Bottom Intersection Improvements, Leon County, Tallahassee, Florida**

**Type of Project: Roadway Design**

**Size of Project (Design Fee): \$118,000.** Widening Meridian Road for the addition of a left turn lane. The intersection was signalized. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** Mr. Grosso served as lead design engineer responsible for roadway design, plans preparation, signing and pavement markings and design documentation.

### **SR 79 Multi-Use Trail Segment 2, City of Panama City Beach, Panama City Beach, FL.**

**Type of Project: Multi-Use Trail**

**Size of Project (Design Fee): \$91,000.** This project was for the design of 1.0 mile of 10-ft wide multi-use trail along SR 79. The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, cost estimating, and contract duration.

**Specific Project Involvement:** Mr. Grosso was the lead designer responsible for trail design, phase submittal comments, plans preparation, calculating quantities, and cost estimates.

### **Quincy Bypass Plans Review and Update Design Services, Florida Department of Transportation District Three, Gadsden County**

**Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$12,000,000.** Review and update of design plans for the Quincy Creek Bypass, a new roadway alignment between SR 10 (US 90) to SR 12 in Gadsden County. A new two-lane roadway with ten-foot shoulders connecting SR 10 from the intersection of SR 10 and Strong Road north to SR 12 just south of existing C&E Farm Road will be constructed. Improvements will be made to these two intersections, including realigning the existing C&E Farm Road, as a four-leg intersection with the proposed new alignment. The plans update will also include the lengthening of the current proposed bridge over Quincy Creek from 1050.5 feet to 1241.5 feet, extending it from a diagonal spanwire assembly to a box spanwire assembly at the intersection of SR 10 and the alignment.

**Specific Project Involvement:** Mr. Grosso was a designer responsible updating plans and for submitting the project via FDOT's Electronic Delivery.

# Jon R. McClain

*Roadway Design Specialist*

*Past Job Assignments:*

*Years with PBS&J: 1 year*

*Years with other Firms: 15 years*



## Education

B.S., Civil Engineering, Florida State University, 2007

## Software

AutoCAD, Microstation, Geopak, AutoTURN, Auto Track, GuideSign FDOT Electronic Delivery (professionals' electronic data delivery system [PEDDS]), and FDOT Site Applications

Mr. McClain has 15 years of extensive transportation engineering experience, including serving as design and production lead responsible for assigning tasks, performing design/drafting, performing calculations, and ensuring plans are compliant with applicable guidelines/specifications. His current general responsibilities with PBS&J include designing and producing roadway plans, organizing and conducting engineering investigations, outlining and preparing reports, contributing to the development of specifications, and participating in quality control checks.

Mr. McClain's PBS&J project experience includes:

### **Quincy Bypass Plans Review and Update Design Services, Gadsden County, Florida (Florida Department of Transportation [FDOT] District Three)**

#### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$12,000,000.** Review and update of design plans for the Quincy Creek Bypass, a new roadway alignment between SR 10 (US 90) to SR 12 in Gadsden County. A new two-lane roadway with ten-foot shoulders connecting SR 10 from the intersection of SR 10 and Strong Road north to SR 12 just south of existing C&E Farm Road will be constructed. Improvements will be made to these two intersections, including realigning the existing C&E Farm Road, as a four-leg intersection with the proposed new alignment. The plans update will also include the lengthening of the current proposed bridge over Quincy Creek from 1050.5 feet to 1241.5 feet, extending it from a diagonal spanwire assembly to a box spanwire assembly at the intersection of SR 10 and the alignment.

**Specific Project Involvement:** Senior designer responsible for updating roadway and signing and marking plans to meet new standards and specifications for the new alignment from SR 10 (US 90) to SR 12.

### **US 331 Widening Design Services, Walton County, Florida (Florida Department of Transportation [FDOT] District Three)**

#### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$21,000,000.** The proposed project is to reconstruct SR 83 (US 331) from north of Owl's Head Road to Edgewood Circle – from a two-lane undivided arterial to a four-lane divided arterial. The project length is approximately 4.204 miles. The facility is designated a Hurricane Evacuation Route. This contract will produce three distinct sets of plans; a combination of two sets will span the entire project limits. Set one will consist of the four-lane divided arterial plans from Owl's Head Road to the northern property line of Nokuse Plantation. Set two will consist of the four-lane divided arterial plans beginning at that common northern property line point and proceed northward to Edgewood Circle. Set three will consist of milling and resurfacing plans beginning at the common northern property line point and proceeding northward to Edgewood Circle. The proposed roadway typical section will consist of two 12-foot lanes in each direction separated by a 40-foot depressed, grassed median. Twelve-foot outside shoulders (five-foot paved) are proposed with eight-foot unpaved inside shoulders.

**Specific Project Involvement:** Senior Designer responsible for processing and documenting the project quantities for Segment 1 and for designing and drafting the Traffic Control Plan for Segment 2.

**Jon R. McClain**  
*Roadway Design Specialist*

**Glenwood Drive Guardrail Replacement, Leon County, Florida (Leon County)**

**Type of Project: Roadway Design**

**Size of Project (Design Fee): \$8,370** The proposed project is to replace the existing guardrail that protects an adjacent drainage canal and the approaches to bridge railing to meet current standards.

**Specific Project Involvement:** Senior Designer responsible for the design, documentation, drafting and quantity calculations associated with the proposed guardrail.

**Eglin By-Pass Feasibility Study, Walton County, Florida (Florida Department of Transportation [FDOT] District Three)**

**Type of Project: Feasibility Study**

**Size of Project (Design Fee): \$293,000.** The proposed project was to analyze the feasibility of constructing a new toll roadway alignment to by-pass US 98 through Ft. Walton Beach and Eglin Air Force facilities. An analysis of a 20 mile corridor consisting of a four lane divided typical and a two lane typical was to be performed to assess the environmental impacts and the overall project costs.

**Specific Project Involvement:** Senior Designer responsible for the design of the typical sections and of the corridor through environmentally sensitive areas including interchanges and access roadways. Also, to provide a construction cost estimate using the Department's LRE (Long Range Estimating) program for a four lane and a two lane alternative.

**Professional Development**

Advanced Traffic Control – FDOT  
Flexible Pavement Design – FDOT

# Christopher R. Hack, PE

**Project Role:** Drainage Engineer

**Past Job Assignments:** Drainage Engineer, Senior Roadway Designer, Project Manager

**Years with PBS&J:** 9

**Years with other Firms:** 19



## Education

B.S., Mechanical Engineering,  
Florida Atlantic University,  
1980

## Registrations/Licenses

Professional Engineer  
Florida 37830, 1987

Mr. Hack has 28 years of experience, 15 years of which were with the Florida Department of Transportation (FDOT). Mr. Hack has considerable expertise in the field of stormwater and drainage, as well as project management and supervision of roadway design crews. Prior work experience includes the design and construction of water supply systems for nuclear power plants for the Tennessee Valley Authority.

For the past nine years, Mr. Hack has been the lead transportation drainage engineer in the Tallahassee office. He has been the responsible drainage designer for several major state road projects in the design and project development phases. His group is responsible for preparation of drainage documentation, bridge hydraulic reports, location hydraulic reports, stormwater permit packages and the drainage components of the construction plans. Representative projects include the following:

### US 98 Realignment in Gulf County

#### **Type of Project: Roadway Construction**

**Size of Project: \$30 million (construction estimate)** Design of stormwater management facilities, cross drains, storm drains, and the preparation of a bridge hydraulic report and stormwater permit documentation.

**Specific Project Involvement:** Mr. Hack was the responsible drainage engineer for two projects (Segments 1 and 2) that consisted of relocating approximately 8.5 miles of a two-lane rural facility. Mr. Hack also prepared the bridge hydraulic report for the Segment 3 project over Cypress Creek.

### US 98, Bay County, Panama City Beach

#### **Type of Project: Preliminary Roadway Design**

**Size of Project: ~ \$200,000 (drainage design fee)** A community redevelopment project involving the addition of tram lanes, sidewalks, and aesthetic amenities to approximately eight miles of Front Beach Road.

**Specific Project Involvement:** Mr. Hack was responsible for preparing a drainage concept report that evaluated alternative schemes for providing stormwater management while minimizing outfalls to the beach.

### US 98, Bay County, Panama City Beach

#### **Type of Project: Roadway Reconstruction**

**Size of Project: \$14.5 million (construction estimate)** A community redevelopment project involving the addition of tram lanes, sidewalks, and aesthetic amenities to approximately 1.7 miles of Front Beach Road.

**Specific Project Involvement: US 98, Bay County, Panama City Beach.** Mr. Hack is responsible for the design of exfiltration systems, storm drains, a stormwater pond and preparation of permit documentation.

### Review of Consultant Designs

#### **Type of Project: Document Review**

**Size of Project: ~ \$30,000 annual design fee.** PBS&J is currently under contract with FDOT District 3 (Chipley) and District 5 (Deland) to provide reviews of consultant prepared plans and reports. The District 3 effort is part of the General Engineering Consultant contract and the District 5 effort is part of a District wide drainage support services contract.

# Christopher R. Hack, PE

Roadway Drainage Engineer

**Specific Project Involvement:** Mr. Hack reviews the drainage or stormwater component of roadway improvement projects. The projects are reviewed for compliance with FDOT standards and guidelines and local and regulatory criteria as appropriate. The projects cover the full spectrum of roadway improvements from resurfacing and minor intersections to multi-lane reconstruction and bridge replacements (bridge hydraulics).

## **Meridian Road Intersections**

**Type of Project: Intersection Improvements**

**Size of Project: ~\$500,000 (construction)** Safety improvements projects adding turn lanes and traffic signals to two intersections along Meridian Road.

**Specific Project Involvement:** Mr. Hack was responsible for the storm drains and cross drains and associated documentation.

## **City of Tallahassee Neighborhood Enhancement Projects**

**Type of Project: Preliminary Roadway Design**

**Size of Project: ~\$228,000 (design fee)** Drainage and safety improvements to Putnam Drive, South Calhoun Street, Wallis Street and Pepper Drive.

**Specific Project Involvement:** Mr. Hack was responsible for development and evaluation of alternative drainage concepts and stormwater ponds sites.

## **Oak Grove Road Bridge Replacement, Walton County**

**Type of Project: Bridge Replacement**

**Size of Project: ~ \$500,000 (construction)** Plan/Elevation Sheet, Bridge Hydraulic Report, and Load Rating for Replacement of Oak Grove Bridge over Limestone Creek in Walton County.

**Specific Project Involvement:** Mr. Hack prepared a bridge hydraulic report for a bridge replacement of the Oak Grove Road Bridge over Limestone Creek in northeast Walton County.

## **Seminole County Bridge Replacements**

**Type of Project: Bridge Replacement**

**Size of Project: ~ \$800,000 each (construction)** Bridge Inspections and remediation repair designs for Seminole County

**Specific Project Involvement.** Mr. Hack prepared the Bridge Hydraulic Reports for the Orange Boulevard bridge replacement over the Lockhart-Smith Canal and for the Lake Howell Road bridge replacement over Howell Creek.

## **FDOT/ Florida Institute of Consulting Engineers (FICE) Drainage Courses**

**Type of Project: Class Preparation and Instruction**

**Size of Project: ~ \$110,000 (design fee)** Developing and teaching several Florida Department of Transportation (FDOT) drainage design classes including Basic Culvert Hydraulics, Storm Drain Design, and Pond Design. These two-day courses are taught to engineers, technicians, designers, and project managers several times a year as requested by FICE and FDOT.

**Specific Project Involvement:** Mr. Hack helped developed several of the FDOT drainage design classes. These included the Basic Culvert Hydraulics class, the Storm Drain Design class, and the Pond Design class. Mr. Hack teaches these courses when requested by FICE or FDOT.



# Hardy G. Smith

**Right-of-Way Acquisition**

**Past Job Assignments:** ROW Project Manager

**Years with PBS&J:** 14

**Years with other Firms:** 2



## Education

B.S., Finance and Real Estate,  
Florida State University, 1998

## Certifications

AHERA Asbestos Management  
Planner, Florida  
(7ME11077501MP002)

AHERA Asbestos Inspector,  
Florida (7ME110575011002)  
Real Estate Broker, Florida (BK-  
683436)

## Professional Affiliations

Chipola Area Board of Realtors,  
Member

Tallahassee Board of Realtors,  
Associate Member

International Right-of-Way  
Association (IRWA)

IRWA Chapter 77 President and  
Education Chair, 2007

IRWA Chapter 77 Treasure and  
Secretary, 2004-2006

Mr. Smith has 14 years of experience in public property acquisition, appraisal, and project planning encompassing roadway improvement projects for state and local agencies including acquisition negotiations, property management services, preparation of cost estimates, and title research.

### **ROW Services for Burgess Road, Hatch Mott MacDonald, Escambia County, Florida**

**Type of Project:** Right-of-way, PD&E

**Size of Project (dollar amount and scope):** \$13,500. This project consists of providing right-of-way cost services for Hatch Mott MacDonald's Burgess Road Project Development and Environment Study.

**Specific Project Involvement:** As right-of-way specialist, provided cost estimates and conceptual stage relocation plans for the various alternatives throughout the study.

### **SR 79 from SR 30 to SR 30A, City of Panama Beach, Panama City Beach, Florida**

**Type of Project:** Roadway Design

**Size of Project (dollar amount and scope):** \$1,062,767. The project will reconstruct the two-lane existing portion of SR 79 with a four-lane divided roadway with bicycle lanes, lighting, underground utilities, and landscaping. The project will be developed in two phases. Phase 1 is for the reevaluation and conceptual design and the development of 60% plans on the approved concept.

**Specific Project Involvement:** As right-of-way specialist, provided cost estimates and conceptual stage relocation plans for the various alternatives throughout the study.

### **SR 81 Realignment Project Development and Environment Study, Walton County, Walton County, Florida**

**Type of Project:** PD&E

**Size of Project (dollar amount and scope):** \$975,151. Project development and environment (PD&E) study for the realignment of the SR 20/SR 81/CR 3280 intersection including pedestrian and bicycle facilities, the special treatment of additional lanes at major intersections, cultural and environmental concerns, and the four-laning of CR 3280 and SR 81 in each direction where necessary to provide intersection operation at level of service C or higher. The study involved all social, economic, environmental effects, and mitigation as required by the PD&E manual, along with the required environmental documents, engineering reports, preliminary plans, and public hearing. A public involvement program was developed and conducted for communicating to and receiving information from all interested persons, groups, and government organizations regarding the development of the project.

**Specific Project Involvement:** As right-of-way agent, provided right-of-way cost estimates and relocation plans for this project.

### **US 98 Realignment Project Development and Environment Study, The St. Joe Company, Jacksonville, Florida**

**Type of Project:** PD&E

**Size of Project (dollar amount and scope):** \$639,658. This project involved the preparation of a preliminary engineering report (PER) and state environmental

## Hardy G. Smith

*Right-of-Way Acquisition*

impact report (SEIR) for the evaluation of alternative alignments for the relocation of 3.74 mi of SR 30 (US 98) eastward (inland) from the existing alignment in Gulf County and the submittal of these reports to the Florida Department of Transportation (FDOT) on behalf of the St. Joe Company (SJC). The components of the report consisted of the identification of the existing conditions with respect to the social, natural, and physical environment; the development of design standards for the proposed realignment of US 98; the forecasting of future traffic conditions on US 98; the identification of influential factors within the study area that would affect the proposed realignment of US 98; the identification and analysis of alternative alignments for realigning US 98; and the presentation of a preferred alignment alternative for the realignment of US 98. The tasks included public involvement, engineering and environmental data collection, engineering analysis and concept design, engineering report preparation, environmental analysis, and environmental documentation preparation.

**Specific Project Involvement:** As right-of-way specialist, provided cost estimates and conceptual stage relocation plans for the various alternatives throughout the study.

**General Engineering Consultant Services (1993 - 2010), Florida Department of Transportation (FDOT) District Three, Districtwide, Florida**

**Type of Project: Roadway Design**

**Size of Project (dollar amount and scope): \$72 million (18-yr fee).** Project management, roadway design, architectural and civil design services, environmental, utility relocation, survey, right-of-way, and geotechnical services. The contract was established to provide resources and staffing to meet surges in workload or to provide specialized expertise for road and bridge projects throughout the 16-county district.

**Specific Project Involvement:** As right-of-way specialist, provides cost estimates and surplus property management services in support of this contract. In addition, he has experience in conducting conceptual stage relocation plans, needs assessment surveys, appraisals, appraisal reviews, acquisitions and negotiations, and property management throughout the 16-county FDOT District.

# Robert L. Farley, RLA, LEED AP

*Project Manager, Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient

Communities Short Course;

Low Impact Development

Practices for Florida

Florida Chamber Foundation;

Environmental Permitting

Summer School

## Registrations

Registered Landscape Architect,

Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional

Roadside Manager

U.S. Green Building Council

(USGBC) LEED AP

ISA Certified Arborist

GRHC Accredited Green Roof

Professional

FDEP Qualified Stormwater

Management Inspector

## Professional Affiliations

American Society of Landscape Architects

Florida Native Plant Society

National Roadside Vegetation

Management Association

Florida Exotic Pest Plant Council,

Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using *indigenous species*, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

### **Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

### **Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

### **Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Ac.**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

### **Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Ac.**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Project Manager*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**  
**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Ac.**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Ac.**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Ac.**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Ac.**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# B

## Experience with Projects of a Similar Type and Size

Roadway Design

### Relevant Project Experience

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.

*PBS&J widened the existing intersection for the addition of a southbound turn lane from Meridian Road to Ox Bottom Road and also the addition of signals*

#### **Project 1: Intersection Improvements at Ox Bottom Road and Meridian Road Leon County, Florida**

##### **Nature of Firm's Responsibility**

In 2007, PBS&J was selected by Leon County Public Works to design improvements at two intersections on Meridian Road: Meridian Road and Ox Bottom Road, and Meridian Road and Bannerman Road. The project improved the safety at these two intersections by adding signalization and turn lanes to each. Both intersections had limited sight distances and high accident rates.

These intersections provided several design and construction challenges that made the feasibility of project completion questionable. Meridian road is classified as a Canopy Road in the Comprehensive Plan at these two intersections and has severe restrictions regarding impacts to trees, vegetation, and roadway side banks. There is only a narrow maintained Right-of-Way along this portion of Meridian Road. The existing roadway does not meet any standards for drainage, shoulders, or sight distance.

It was decided to add a certified arborist to the project team early in the planning stages to assist with geometry of the improvements. This decision proved wise later in the permitting process when approval from the Canopy Road Citizens Advisory Committee was obtained in only one meeting.

The project required the Ox Bottom intersection to be permitted through the City of Tallahassee. Storm water permitting variances were obtained from both the City of Tallahassee and the State of Florida.

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In addition to signals and turn lanes, PBS&J was able to make improvements to the existing storm water conveyance system, and address areas which flooded on Meridian Road in the project area.

#### **Project Owner's Contact Information**

Kimberly Wood, PE  
Chief of Engineering Coordination  
Leon County Public Works  
Division of Engineering  
2280 Miccosukee Road  
Tallahassee, Florida 32308  
850.606.1500

#### **Project Completion Date**

November 2009

#### **Key Personnel Involved and Roles**

Michael Scibelli, PE, Project Manager  
M. Todd French, PE, Roadway Engineer-of-Record  
Nicholas Grosso, PE, Lead Designer  
Christopher Hack, PE, Drainage Engineer-of-Record

### ***Project 2: Intersection Improvements at Meridian Road and Bannerman Road Leon County, Florida***

#### **Nature of Firm's Responsibility**

In 2007, PBS&J was selected by Leon County Public Works to design improvements at two intersections on Meridian Road: Meridian Road and Ox Bottom Road, and Meridian Road and Bannerman Road. The project improved the safety at these two intersections by adding signalization and turn lanes to each. Both intersections had limited sight distances and high accident rates.

These intersections provided several design and construction challenges that made the feasibility of project completion questionable. Meridian road is classified as a Canopy Road in the Comprehensive Plan at these two intersections and has severe restrictions regarding impacts to trees, vegetation, and roadway side banks. There is only a narrow maintained Right-of-Way along this portion of Meridian Road. The existing roadway does not meet any standards for drainage, shoulders, or sight distance.

It was decided to add a certified arborist to the project team early in the planning stages to assist with geometry of the improvements. This decision proved wise later in the permitting process when approval from the Canopy Road Citizens Advisory Committee was obtained in only one meeting.

The project required the Bannerman intersection was required to be permitted through Leon County. Storm water permitting variances were obtained from both the City of Tallahassee and the State of Florida.

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In addition to signals and turn lanes, PBS&J was able to make improvements to the existing storm water conveyance system, address failing pavement area on Bannerman Road, and address areas which flooded on Meridian Road in the project area.

**Project Owner's Contact Information**

Kimberly Wood, PE  
Chief of Engineering Coordination  
Leon County Public Works  
Division of Engineering  
2280 Miccosukee Road  
Tallahassee, Florida 32308  
850.606.1500

**Project Completion Date**

August 2009

**Key Personnel Involved and Roles**

Michael Scibellil, PE, Project Manager  
M. Todd French, PE, Roadway Engineer-of-Record  
Mathew Johnson, PE, Lead Designer  
Christopher Hack, PE, Drainage Engineer-of-Record

***Project 3: Capital Circle SE Widening Design-Build Services  
Leon County, FL***

**Nature of Firm's Responsibility**

This project for the City of Tallahassee involves the widening of Capital Circle southeast from two lanes to four lanes with sidewalks from Connie Drive to south of Tram Road. PBS&J's services include design/build permitting, roadway and structural design, landscape development, public information management, construction management, and scheduling.

**Project Owner's Contact Information**

Marek Romanowski  
Project Manager  
Blueprint 2000  
1311 Executive Center Drive  
Suite 109, Ellis Building  
Tallahassee, Florida 32301  
850.219.1068

**Project Completion Date**

September 2007

**Key Personnel Involved and Roles**

M. Todd French, PE, Lead Roadway Engineer  
Matthew Johnson, PE, Project Engineer  
Nicholas Grosso, PE, Project Engineer  
Christopher Hack, PE, Drainage

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***Project 4: Neighborhood Infrastructure Improvements  
Continuing Services  
Tallahassee, Florida***

**Nature of Firm's Responsibility**

PBS&J provided the City of Tallahassee with continuing services for infrastructure improvements to city streets. These services included evaluation of several city streets for bicycle, pedestrian, and Americans with Disabilities Act (ADA) improvements and the preparation of preliminary engineering reports for needed improvements. Infrastructure improvements identified for a 4,100-linear-foot section of Pepper Drive, Putnam Drive, Wallis Street, and Cathoun Street included adding curb and gutter, bike lanes, and sidewalks.

**Project Owner's Contact Information**

Bill Woolery, PE  
Project Manager  
City of Tallahassee  
100 West Virginia Street  
Tallahassee, Florida 32301  
850.891.8470

**Project Completion Date**

June 2007

**Key Personnel Involved and Roles**

M. Todd French, PE, Quality Assurance  
Matthew Johnson, PE, Lead Designer  
Christopher Hack, PE, Drainage

***Project 5: US 90 Design Services  
Quincy, Florida***

**Nature of Firm's Responsibility**

This project for the Florida Department of Transportation (FDOT), District Three, involved the design of 1.5 miles of a new roadway from SR 10 to SR 12 in Quincy, Florida. The proposed typical section provided two 12-foot lanes with 10-foot shoulders (5-foot paved) as well as the design of two stormwater ponds and a 1,050-ft bridge over Quincy Creek.

**Project Owner's Contact Information**

Clay Hunter  
Project Manager  
Florida Department of Transportation, District Three  
P.O. Box 607  
Chipley, Florida 32428  
850.415.9479



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**Project Completion Date**

June 2007

**Key Personnel Involved and Roles**

M. Todd French, PE, Roadway Engineer-of-Record  
Christopher Hack, PE, Drainage Quality Assurance  
Cynthia Skogsberg, PE, Drainage Engineer-of-Record

***Project 6: Bannerman Road and Bull Headley Road Intersection  
Improvements  
Leon County, Florida*****Nature of Firm's Responsibility**

Under a continuing professional services contract with Leon County, PBS&J was tasked with providing engineering services for improvements to the intersection of Bannerman and Bull Headley roads including the addition of new stormwater facilities. Our services include preparation of construction documents for the widening of the eastbound left turn lane on Bannerman Road, the realigning of Bull Headley Road at the intersection of Bannerman Road, and a new stormwater facility to be located in the northwest corner of the intersection.

PBS&J prepared the necessary permit applications and supporting documentation for submittals to the Leon County Growth and Environmental Management and Northwest Florida Water Management District, prepare and submit a natural features inventory/environmental impact analysis, and perform a Phase 1 archeological study of the site. Construction administration and limited construction inspection services for both the site plan and landscape irrigation portions of the construction will be provided.

**Project Owner's Contact Information**

Charles Wu  
Chief of Engineer Design  
Leon County Public Works  
2280 Miccosukee Road  
Tallahassee, FL 32308  
850.606.1500

**Project Completion Date**

December 2011

**Key Personnel Involved and Roles**

Michael Scibelli, PE, Project Manager  
Mathew Johnson, PE Roadway Engineer-of-Record  
M. Todd French, PE, Quality Assurance Reviewer

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***Project 7: SR 79 Trail Segment 2  
Panama City Beach, Florida***

**Nature of Firm's Responsibility**

PBS&J provided the City of Panama City Beach with design services for approximately 1 mile of 10-foot-wide, asphalt multiuse trail along the east side of SR 79 beginning 1.9 miles north of US 98 (Back Beach Road). The trail was located atop the existing berm that parallels the east side of SR 79 and was a continuation of the trail designed and permitted previously by PBS&J under a prior task. The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, CEI services, cost estimating, and contract duration.

**Project Owner's Contact Information**

Richard Jackson  
City Manager  
City of Panama City Beach  
110 South Arnold Road  
Panama City Beach, FL 32413  
850.233.5054

**Project Completion Date**

September 2008

**Key Personnel Involved and Roles**

Kim Woliver, PE, Project Manager  
M. Todd French, PE, Engineer-of-Record  
Nicholas Grosso, PE, Lead Designer

***Project 8: SR 79 Trail Segment 3  
Panama City Beach, Florida***

**Nature of Firm's Responsibility**

PBS&J provided the City of Panama City Beach with design services for approximately 1 mile of 10-foot-wide, asphalt multi-use trail along the east side of SR 79 beginning 2.9 miles north of US 98 (Back Beach Road). The trail was located atop the existing berm that parallels the east side of SR 79 and was a continuation of the trail designed and permitted previously by PBS&J under a prior task. The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, CEI services, cost estimating, and contract duration.

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**Project Owner's Contact Information**

Richard Jackson  
City Manager  
City of Panama City Beach  
110 South Arnold Road  
Panama City Beach, FL 32413  
850.233.5054

**Project Completion Date**

August 2009

**Key Personnel Involved and Roles**

Kim Woliver, PE, Project Manager  
M. Todd French, PE, Engineer-of-Record  
Nicholas Grosso, PE Lead Designer

***Project 9: SR 79 Trail Segment 4  
Panama City Beach, Florida*****Nature of Firm's Responsibility**

PBS&J provided the City of Panama City Beach with design services for approximately 1 mile of 10-foot-wide, asphalt multi-use trail along the east side of SR 79 beginning 2.9 miles north of US 98 (Back Beach Road). The trail was located atop the existing berm that parallels the east side of SR 79 and was a continuation of the trail designed and permitted previously by PBS&J under a prior task. The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, CEI services, cost estimating, and contract duration.

**Project Owner's Contact Information**

Richard Jackson  
City Manager  
City of Panama City Beach  
110 South Arnold Road  
Panama City Beach, FL 32413  
850.233.5054

**Project Completion Date**

July 2010

**Key Personnel Involved and Roles**

Kim Woliver, PE, Project Manager  
M. Todd French, PE, Engineer of Record  
Nicholas Grosso, PE Lead Designer

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***Project 10: US 90 (Quincy Bypass) Plans Review and Update  
Design Services  
Quincy, Florida***

**Nature of Firm's Responsibility**

Review and update of design plans for the Quincy Creek Bypass, a new roadway alignment between SR 10 (US 90) to SR 12 in Gadsden County. A new two-lane roadway with ten-foot shoulders connecting SR 10 from the intersection of SR 10 and Strong Road north to SR 12 just south of existing C&E Farm Road will be constructed. Improvements will be made to these two intersections, including realigning the existing C&E Farm Road, as a four-leg intersection with the proposed new alignment. The plans update will also include the lengthening of the current proposed bridge over Quincy Creek from 1050.5 feet to 1241.5 feet, extending it from a diagonal spanwire assembly to a box spanwire assembly at the intersection of SR 10 and the alignment.

**Project Owner's Contact Information**

Clay Hunter  
Project Manager  
Florida Department of Transportation, District Three  
P.O. Box 607  
Chipley, Florida 32428  
850.415.9479

**Project Completion Date**

March 2010

**Key Personnel Involved and Roles**

M. Todd French, PE, Project Manager, Roadway Engineer-of-Record  
Cynthia Skogsberg, PE, Drainage Engineer-of-Record  
Jon McClain, Lead Designer  
Nichalos Grosso, PE, Project Engineer  
Ronnie Peel, Quality Assurance

## Current Relevant Projects

The PBS&J Team is well equipped at managing multiple deadlines simultaneously. Our workload additionally includes the following:

Project Name	Description	Applicable Project Components										
		Major Roadway Design	Minor Roadway Design	Compliant with FDOT Procedures	Local, Collector, or Arterial Roads	Sidewalk Design	Bike Lanes	Drainage Design	Roadway Modifications	Roadway Maintenance Considerations	Transportation Components	Expert Witness Services
Gulf to Bay Highway US 98 Realignment Segment 2 Gulf County, Florida	Engineering design for a new alignment of 6.5 miles, including a 2,048 foot bridge	■	■	■	■			■	■	■	■	■
Gulf to Bay Highway US 98 Realignment Segment 3 Bay County, Florida	Approximately 3 miles of roadway and new engineering design for a new alignment of 3.9 miles, including 9 510-foot bridge	■	■	■	■			■	■	■	■	■
City of Tallahassee Sidewalk Projects Tallahassee, Florida	Continuing services for infrastructure improvements to city streets		■		■	■	■	■	■			

## Quality Assurance Process and Procedures

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared by the accepted standards of our professional practice, in accordance with our scope of work and our client's needs, and in accordance with our internal procedures.

A quality control plan is developed for each project prior to initiation of work, identifying specific procedures for quality control reviews on specific project elements such as data, calculations, documents, reports, and plans. In this process, we strive to prevent—not correct, to eliminate rework efforts and provide the best value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

1. Lead technical professional (LTP) delivers work product to the quality control reviewer (QCR).
2. QCR performs review and returns to the LTP.
3. LTP reviews the comments and resolves any differences of opinion with the QCR.
4. Agreed-to changes are made to the plans by the LTP.
5. QCR confirms changes are made consistent with resolution.

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## Basic and Special Resources

Our firm has a strong commitment to staying abreast of current technology. Computer systems are replaced or updated as appropriate to maintain efficiency as computer programs evolve that require greater and greater computing power. Additionally we have numerous software programs that are on maintenance contracts which means as the latest versions become available we have immediate access to the programs and can take advantage of the latest enhancements again increasing our efficiency thus helping us to meet schedules and budgets. A sample representation of specialized software that we currently use is as follows:

- Microstation V8i and V8xm
- Geopak V8
- Autoturn
- AutoCadd Civil 3d 2010
- Inter-Connected Pond Routing (ICPR)
- Ponds
- Hydraulic Engineering Center-River Analysis Systems (HEC-RAS)
- Federal Highway Authority's HY-8



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.



# D

## Effect of Firm's Recent, Current and Projected Workload

Roadway Design

### Current Projects and Completion Dates

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

Projects Currently Under Contract		
Project Name	Description	Anticipated Completion Date
<b>Gulf to Bay Highway US 98 Realignment Segment 2</b> Gulf County, Florida	Engineering services for a new alignment of 6.5 miles of the Gulf to Bay Highway from Segment 1 to CR 386 including a 2,048-foot bridge over Panther Swamp in Gulf County.	12/2012
<b>Gulf to Bay Highway US 98 Realignment Segment 3</b> Bay County, Florida	Engineering services for a new alignment of 3.7 miles of the Gulf to Bay Highway from CR 386 to a point south of Tyndall Air Force base including a 510-foot bridge over Cypress Creek in bay and Gulf Counties.	12/2012
<b>City of Tallahassee Sidewalk Projects</b> Tallahassee, Florida	Services includes data collection, surveying, engineering, and requisite permitting for five sidewalk projects totaling approximately 4800' of new sidewalk.	4/2011

### Ability to Absorb Leon County Projects

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

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. **PBS&J will be fully available and accessible to meet the needs of the County.**



Roadway Design

## Team Location and Community Involvement

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### Community Involvement

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



Roadway Design

## Approach to Accepting and Completing Projects

*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.*

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

### ***Step 1: Kickoff Meeting***

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

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### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.

---

## ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

## ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

## ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

## ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

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Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

### ***Peer Review/Quality Assurance Plan***

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.





**A**

# Ability of Professional Personnel

*Traffic and Intersection Engineering*

## Number of Professionals and Availability

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.

Total Number of Professionals that may be assigned:			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Traffic and Intersection Engineering	6	8	258

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.*

*Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

### Availability

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.



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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.



## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter & Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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**  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050

*City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise*

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killlearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### **HSA Consulting Group, Inc. (HSA) –**



**HSA Consulting Group**

*HSA*  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308

ph. 850.309.7510  
fax: 850.309.0246

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida*

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions.. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### HSA Local Experience

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### ***Nodarse & Associates, Inc. (N&A) – Geotechnical***

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for

most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter > Mitchell*  
 117 South  
 Gadsden Street  
 Tallahassee,  
 Florida 32301  
 Ph. 850.681.3200  
 fax 850.681.7200

#### **Salter > Mitchell, Inc. – Public Relations**

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

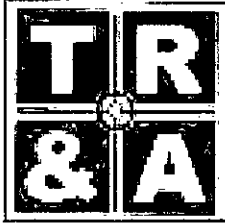
#### **Salter Mitchell Local Experience**

- Killlearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations

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### ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

#### **TR&A Local Experience**

- "M" Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.



# Traffic and Intersection Engineering



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Daniel J. Beaty, AICP**  
Project Manager  
Tallahassee



# Michael A. Scibelli, PE

*Client Service Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall client service manager for all civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the primary client service manager for Leon County and he has served as the project manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for more than seven years and is committed to continuing to be Leon County's client service manager and a project manager to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA Big Bend chapter as Projects of the Year. One such project was the Killcarn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1,300 residents of Killcarn Lakes Plantation Units 1 & 2. The neighborhood experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5-percent of the County's original budget estimate. During the entire project, only one tree was removed after more than 100,000 feet of sewer pipe was installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the city limits. This project was permitted and built and the final cost was approximately 20-percent below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association

Water Environment Federation (WEF)

Society of American Military Engineers (SAME)

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the last 10 years**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

**Recent Leon County Projects:**

**Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

**Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

**Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

**Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killearn Lakes Sidewalks Design, Permitting & Construction Administration.

**Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

**Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

**Utility Engineering**

- Project manager for Killearn Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pic Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# Daniel J. Beaty, AICP

*Project Manager*

*Past Job Assignments: Project Manager, Task Manager*

*Years with PBS&J: 17*

*Years with other Firms: 1.5*



## Education

M.S., Urban & Regional Planning,  
Florida State University, 1992

B.S., Political Science, Florida State  
University, 1990

## Certifications

American Institute of Certified  
Planners (AICP)

## Software

FSUTMS/TRANPLAN for all  
platforms

MINUTP

CUBE

CUBE Voyage

TransCAD

ArcView GIS

ArcMap

FDOT's Level of Service Manual

ARTPLAN and ARTTAB

Highway Capacity Manual

FORTAN

## Professional Affiliations

American Planning Association  
(APA)

Institute of Transportation

Engineers (ITE) Women

Inspiring Leadership (WIL)

Mr. Beaty has 17 years of experience in the areas of urban and regional transportation planning and travel demand modeling. His responsibilities include the development of long-range transportation plans (LRTP), travel demand model development and validation, developments of regional impact (DRI), transportation policy analysis, preparation and forecasting of socioeconomic data, production of scopes of work, preparation of technical documentation, and level of service analysis.

Mr. Beaty's representative project experience includes:

**Project Name: FDOT, District Three Regional Model Study, Florida**

**Type of Project: Travel Demand Model Development**

**Size of Project (dollar amount and scope): \$250,000**, a model development project that includes all counties west of the Apalachicola River including the three metropolitan planning organization (MPO) areas of Pensacola, Panama City, Fort Walton Beach and Wakulla County.

**Specific Project Involvement:** Mr. Beaty is the project manager for the FDOT, District Three regional model study. He was responsible for development of the model using the newly adopted CUBE Voyager software.

**Project Name: I-10/Beulah IJR, Escambia County, Florida**

**Type of Project: Interchange Justification Report**

**Size of Project (dollar amount and scope): \$600,000.** Project includes the analysis of a proposed new interchange with I-10 in Escambia County. The process follows FDOT and FHWA's policies and procedures for an IJR. The project includes traffic development and traffic operations analysis, public involvement and conceptual engineering.

**Specific Project Involvement:** Mr. Beaty is the project manager for the IJR study and is responsible for the project traffic development and the documentation for the project.

**Project Name: FDOT, District Three, Tallahassee/Leon County Model Validation, Florida**

**Type of Project: Travel Demand Model Validation**

**Size of Project (dollar amount and scope): \$60,000;** Tallahassee/Leon County Model Validation (2020 Plan) for Florida Department of Transportation (FDOT), District Three

**Specific Project Involvement:** As project manager, Mr. Beaty was responsible for the entire model validation.

**Project Name: FDOT, District Three, Pensacola Model Validation, Florida**

**Type of Project: Travel Demand Model Validation**

**Size of Project (dollar amount and scope): \$45,000;** review of the Pensacola Model Validation (2025 Plan) and was responsible for a thorough review of all model data and outputs of the travel demand models

**Specific Project Involvement:** Mr. Beaty was the project manager.

Daniel J. Beaty, AICP  
Project Manager

**Project Name: FDOT, District Three, Bay County Model Validation, Florida**

**Type of Project: Travel Demand Model Validation**

**Size of Project (dollar amount and scope):** \$45,000; review of the Pensacola Model Validation and was responsible for a thorough review of all model data and outputs of the travel demand models.

**Specific Project Involvement:** As project manager for the Tallahassee/Leon County Model Validation (2025 Plan) for Florida Department of Transportation (FDOT), District Three, Mr. Beaty was responsible for the entire model validation.

**Project Name: FDOT, District Three Tallahassee-Leon County MPO 2020 Transportation Plan Update, Florida**

**Type of Project: Travel Demand Model Validation/Update**

**Size of Project (dollar amount and scope):** \$30,000; focused on correcting travel demand models through extensive review and update of all model inputs and outputs

**Specific Project Involvement:** Mr. Beaty served as the task manager to FDOT, District Three on the Tallahassee-Leon County MPO 2020 Transportation Plan Update.

**Project Name: Jacksonville Urban Area Transportation Study (2020 Plan), Jacksonville, Florida**

**Type of Project: Travel Demand Model Validation and Future Year model Development**

**Size of Project (dollar amount and scope):** \$750,000; coding of the base year highway network and validation of that network, as well as running the air quality analysis for the plan and creating the study's Conformity Determination Report.

**Specific Project Involvement:** Mr. Beaty was task manager for model validation and air quality for the Jacksonville Urban Area Transportation Study.

# Wiatt F. Bowers, AICP

*Traffic Modeling*

*Past Job Assignments: Assistant Project Manager, Senior Transportation and Land Use Planner*

*Years with PBS&J: 16*

*Years with other Firms: 1*



## Education

M.S., Urban & Regional Planning,  
Florida State University, 1996

B.A., Broadcast Journalism,  
Temple University, 1993

## Certifications

American Institute of Certified  
Planners (AICP), Florida  
(013748), 1998

## Software

FSUTMS

TRANPLAN

Cube Voyager

Highway Capacity Software (HCS)

Synchro

GIS software

Mr. Bowers is a senior transportation and land use planner with 16 years of experience. His primary responsibilities include project management, land use and transportation planning for developments of regional impact (DRI) and other large-scale projects, travel demand modeling, traffic impact and transportation concurrency studies, and development of long-range transportation plans (LRTP) and comprehensive plans.

**Project Name: Woodville Highway Corridor and PD&E Study, Capital Region Transportation Planning Agency, Tallahassee, Florida**

**Type of Project: Planning/PD&E Study**

**Size of Project (dollar amount and scope):** \$1.2 million study; study examining land use and transportation opportunities for a 50-year horizon.

Future year traffic projections were developed and analyzed, and potential circulation enhancements were identified. Entails extensive public involvement, including a visioning charrette, stakeholder interviews, and multiple agency meetings.

**Specific Project Involvement:** Internal project manager

**Project Name: West Florida Regional Planning Council, Florida-Alabama TPO Blueprint 2035 LRTP, Pensacola, Florida**

**Type of Project: Long Range Planning Study**

**Size of Project (dollar amount and scope):** \$350,000; Summarized future deficiencies, identified potential future transportation projects, and developed cost estimates for Needs Plan projects.

**Specific Project Involvement:** Traffic Modeler

**Project Name: Sarasota County, Fruitville Initiative Comprehensive Plan Amendment Traffic Analysis**

**Type of Project: Land Use Planning/Traffic Impact Study**

**Size of Project (dollar amount and scope):** \$30,000; Conducted transportation study for proposed land use amendment, developing trip generation, trip distribution, level of service analyses, and potential mitigation projects for two scenarios.

**Specific Project Involvement:** Traffic Engineer

**Project Name: North Florida Transportation Planning Organization, St. Johns County Transit Development Plan, St. Augustine, Florida**

**Type of Project: Planning Study**

**Size of Project (dollar amount and scope):** \$100,000; Managed study which updated the plan to extend to 2020. A ridership survey was conducted, potential route modifications and service enhancements were evaluated, and a financial plan was developed.

**Specific Project Involvement:** Internal project manager

**Project Name: St. Andrew Bay Land Company, Forest Park District Mobility Plan, Panama City, Florida**

**Type of Project: Concurrency Policy/Traffic Impact Study**

**Size of Project (dollar amount and scope):** \$50,000; identified roadway, transit, and bike/pedestrian projects as well as funding sources.

**Specific Project Involvement:** Worked with Panama City, Bay County, and FDOT staff to develop a multimodal transportation plan for area surrounding the former Panama City-Bay County International Airport.

**Project Name:** Florida Department of Transportation (FDOT) District Three, General Planning Consultant

**Type of Project:** General Planning Studies

**Size of Project (dollar amount and scope):** \$3 million over 10 years; assists in development and updating of level of service databases, travel demand modeling, and other planning studies.

**Specific Project Involvement:** Assistant project manager and lead reviewer for DRI and comprehensive plan reviews.

**Project Name:** North Florida Transportation Planning Organization, Envision 2035 LRTP Update, Jacksonville

**Type of Project:** Long Range Planning Study

**Size of Project (dollar amount and scope):** \$1 million; Developed list of potential projects, cost estimates, and revenue estimations. Also assisted in developing and refining future land use scenarios with stakeholders and the general public, conducted travel demand model testing for the scenarios, and developed potential roadway and transit projects for the trend and selected alternative land use scenarios.

**Specific Project Involvement:** Internal project manager

**Project Name:** City of Temple Terrace, Multimodal Transportation Concurrency Manual

**Type of Project:** Concurrency Policy Study

**Size of Project (dollar amount and scope):** \$30,000; development of a concurrency ordinance and manual to implement a Multimodal Transportation District (MMTD) encompassing the entire city. Involved coordination with FDOT and Florida Department of Community Affairs on implementation.

**Specific Project Involvement:** Project manager

**Project Name:** SunWest Harbourtowne DRI, Pasco County, Florida

**Type of Project:** Land Use Planning/Traffic Impact Study

**Size of Project (dollar amount and scope):** \$125,000; 2500-acre mixed-use development. The project involved extensive analysis and coordination with FDOT staff regarding impacts to US 19, development of proportionate share calculations, and costs estimates for roadway improvements.

**Specific Project Involvement:** Served as lead transportation planner for the DRI and comprehensive plan amendment

**Project Name:** Baker County, General Planning Consultant

**Type of Project:** General Planning Studies

**Size of Project (dollar amount and scope):** \$125,000 over 4 years; creation of a transportation concurrency system, including drafting of ordinance and manual as well as development of tracking database. Other tasks have included reviewing traffic studies and developing a thoroughfare master plan outlining a 25-year vision.

**Specific Project Involvement:** Traffic Modeler



# Sean E. Doherty, PE, PTOE

## Signalization

**Past Job Assignments: Project Manager, Engineer-of-Record**

**Years with PBS&J: 6**

**Years with other Firms: 14**



## Education

BCE, Civil Engineering, Georgia  
Institute of Technology, 1990

## Registrations

Professional Engineer  
Florida 48100, 1994  
Texas 105244, 2009  
Oklahoma 24411, 2010  
Louisiana 35413, 2010  
NCEES Record No. 39376

## Certifications

Professional Traffic Operations  
Engineer (PTOE)  
Advanced Work Zone Traffic  
Control Certification (Florida)  
TxDOT Precertified, ESN 18396

## Professional Affiliations

Institute of Traffic Engineers (ITE)

Mr. Doherty is a project manager in PBS&J's transportation services division. With over 20 years of public and private sector professional experience in Florida and Texas, his background has focused on traffic operations, traffic signal design, highway signing and pavement parking design, maintenance of traffic (MOT) plan design, intelligent transportation systems (ITS) planning and site design, lighting design, and conceptual design for intersection improvements. Nine years of this experience was at FDOT District Five, where he served as Traffic Operations Conceptual Design Engineer and the District Traffic Plans and Standards Engineer responsible for all FDOT in-house traffic signalization, highway signing and pavement marking, and lighting design. Mr. Doherty has been with PBS&J for over five years leading PBS&J's central Florida traffic operations group, and has recently relocated to PBS&J's central transportation planning division.

Mr. Doherty's representative PBS&J project experience includes the following:

### **Project Name: FDOT District Five, Continuous Services for Traffic Operations, Florida.**

**Type of Project:** Continuing Services Contract

**Size of Project:** \$3.5 million; 121 work orders in total were assigned, including numerous signal designs, as well as several signal timing studies.

**Specific Project Involvement:** As the project manager for a five-year continuing services contract, Mr. Doherty currently coordinates a multitude of work orders for tasks ranging from traffic signal design to conceptual designs to ITS design and review.

### **Project Name: Seminole County, SR 436/Howell Branch Road Signal Retiming.**

**Type of Project:** Arterial Traffic Signal Retiming

**Size of Project:** \$43,000; coordinated the traffic collection data, timing analysis, and implementation for these signal timings.

**Specific Project Involvement:** Project manager for the development and implementation of coordinated signal timings for 15 signalized intersections on SR 436 and Howell Branch Road in Casselberry, Florida.

### **Project Name: Brevard County, Wickham Road Signal Retiming.**

**Type of Project:** Arterial Traffic Signal Retiming

**Size of Project:** \$75,000, 36-intersection corridor

**Specific Project Involvement:** As project manager, Mr. Doherty coordinated all traffic data collection, analysis, report preparation, and implementation of timings in the field. This corridor is broken up into six different control sections.

### **Project Name: FDOT District Seven, Pinellas County ATMS Stage II.**

**Type of Project:** ITS

**Size of Project:** \$250,000; installation of approximately 10 miles of fiber optic cable to interconnect 14 traffic signals on US 19, CR 611, and SR 688 under Pinellas County's signal system.

**Specific Project Involvement:** Project manager and engineer of record for the project that included the installation of CCTV cameras and dynamic message signs, and the replacement of the NEMA signal controllers with new 2070 models. The roadway corridors on this project were constrained/congested with utilities.

**Project Name: FDOT District Seven, Pasco County ATMS Stage III.**

**Type of Project:** ITS

**Size of Project:** \$250,000; installation of approximately 8 miles of fiber optic cable to interconnect seven traffic signals on US 19 under Pasco County's traffic responsive signal system.

**Specific Project Involvement:** Engineer of record for the project that also included the installation of CCTV cameras and dynamic message signs, and the replacement of the NEMA signal controllers with new 2070 models.

**Project Name: Orange County SCOOT System Loop Plans.**

**Type of Project:** Traffic Signal System

**Size of Project:** \$30,000; installation of loops on University Boulevard, SR 434, and roads internal to the University of Central Florida campus.

**Specific Project Involvement:** Engineer of record for the preparation of the loop plans was part of this design-build project for the installation of the expansion of the Orange County SCOOT traffic signal system.

**Project Name: Disney's Hollywood Studios Signing Project.**

**Type of Project:** Traffic Signal System

**Size of Project:** \$140,000; installation of approximately 65 ground mounted and overhead signs on Disney, FDOT, Florida's Turnpike Enterprise, and Orlando Orange County Expressway Authority (OOCEA) roadways. Construction management and inspection was also included in this contract.

**Specific Project Involvement:** Project manager and engineer of record for the installation of new sign panels throughout the Disney World roadway network to reflect the change of the Disney's Hollywood Studios theme park name change.

**Various Traffic Signal Designs include:**

- Interstate 75 and State Road 48
- Canadian Court Extension and Universal Boulevard, Orange County, Florida
- Canadian Court and International Drive, Orange County, Florida
- Canadian Court and Hilton Entrance, Orange County, Florida
- Pineda Causeway and Estuary Drive, Brevard County, Florida
- County Road 437 and Ocoee Crown Point Parkway, Ocoee, Florida
- Meridian Road and Bannerman Road, Leon County, Florida
- Meridian Road and Ox Bottom Road, Leon County, Florida
- State Road 50 and County Road 33, Mascotte, Florida
- US 98 and Whisper Bay Boulevard

# M. Todd French, PE

*Design Engineer*

*Past Job Assignments: Assistant Project Manager, Senior Transportation and Land Use Planner*

*Years with PBS&J: 11*

*Years with other Firms: 4*



## Education

B.S., Civil Engineering, Florida

State University, 1995

A.A., General Studies, Pensacola

Junior College, 1990

## Registrations/Licenses

Professional Engineer

Florida 56711, 2001

## Professional Affiliations

American Society of Civil

Engineers (ASCE) American

Society of Highway Engineers

(ASHE)

Mr. French has more than 15 years of experience in transportation and general civil engineering. His duties include designing, coordinating and supervising transportation projects in Northwest Florida and providing project management and quality assurance for the delivery of professional services. Mr. French has been involved with the permitting, design, and plans production of several projects for the Florida Department of Transportation (FDOT), Leon County and the City of Tallahassee as well as for private developers including St. Joe Company. Mr. French has also been involved with project development and environment (PD&E) studies, concept reports, resurfacing, rehabilitation, and restoration (RRR) projects, and right-of-way mapping for FDOT. Mr. French's representative project experience includes:

### **Meridian and Ox Bottom Intersection Improvements, Leon County, Tallahassee, Florida**

#### **Type of Project: Roadway Design**

**Size of Project (Design Fee): \$118,000.** Widening Meridian Road for the addition of a left turn lane. The intersection was signalized. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** Mr. French was the engineer of record for the addition of a left-turn lane on a canopy road.

### **Meridian and Bannerman Intersection Improvements, Leon County, Tallahassee, Florida**

#### **Type of Project: Roadway Design**

**Size of Project (Design Fee): \$118,000.** Widening Meridian Road for the addition of a left turn lane. The intersection was signalized. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, utility coordination and Traffic control plans.

**Specific Project Involvement:** Mr. French was the engineer of record for the roadway design.

### **New Alignment from SR 10 to SR 12 (Quincy Bypass), Gadsen County, FDOT District Three, Chipley, Florida**

#### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$12,000,000.** The design of 1.5 miles of a new roadway from SR 10 to SR 12 in Quincy, Florida. The proposed typical section provided two 12-foot lanes with 10-foot shoulders (5-foot paved) as well as the design of stormwater ponds and a 1,050-ft bridge over Quincy Creek. The project included preliminary and final design, drainage and stormwater, permitting, surveying, and geotechnical investigations.

**Specific Project Involvement:** Mr. French served as engineer of record for this design of 1.5 miles of rural, two-lane, new alignment in Quincy, Florida.

### **US 98 (SR 30) Realignment, Segment 2, Opportunity Florida**

#### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$43,000,000.** This project involves engineering design and environmental services for a new alignment of 5.3 miles of the Gulf to Bay Highway (US 98 Segment 2) from Segment 1 to CR 386 including a 2,048-foot bridge over Panther Swamp in Gulf County. The project included preliminary and final design, drainage and stormwater,

permitting, surveying, right-of-way control, and geotechnical investigations.  
**Specific Project Involvement:** Mr. French is project manager and engineer of record for the realignment of approximately 6.5 miles of rural, two-lane, new alignment for US 98 in Gulf County, Florida.

#### **US 98 (SR 30) Realignment, Segment 3, Opportunity Florida**

##### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$15,000,000.** This project involves engineering design and environmental services for a new alignment of 3.9 miles of the Gulf to Bay Highway (US 98 Segment 3) from CR 386 to a point south of Tyndall Air Force Base including a 510-foot bridge over Cypress Creek in Bay and Gulf Counties. The project includes preliminary and final design, drainage and stormwater, permitting, surveying, right-of-way control, and geotechnical investigations.

**Specific Project Involvement:** Mr. French is project manager and engineer of record for the realignment of approximately 3.9 miles of rural, two-lane, new alignment for US 98 in Gulf and Bay Counties, Florida.

#### **Apalachee Parkway and Magnolia Drive Intersection Improvements, Capital Region Community Development District, Tallahassee, Florida**

##### **Type of Project: Roadway Design**

**Size of Project (Estimated Construction Cost): \$700,000.** Design left turn lanes from Apalachee Parkway onto Magnolia Drive and add dedicated right turns from Apalachee Parkway onto Magnolia Drive. Additionally mast arms were added. Project encompassed roadway design, stormwater conveyance, signalization, striping and pavement markings, and Traffic control plans.

**Specific Project Involvement:** Mr. French was the engineer of record for the roadway design.

#### **SR 79 Multi-Use Path, Panama City Beach, Florida**

##### **Type of Project: Multi-Use Trail**

**Size of Project (Design Fee): \$240,000.** Provided the City of Panama City Beach with design services for approximately 2.5 miles of 10-foot-wide, asphalt multi-use trail along the east side of SR 79 beginning 1.9 miles north of US 98 (Back Beach Road). The project included design of the trail, extension of drainage structures, stormwater calculations, permitting, surveying, geotechnical investigations, preparation of contract documents and bid specifications, cost estimating, contract duration

**Specific Project Involvement:** Mr. French was the engineer of record for 2.5 miles of 10 foot wide multi-use path along SR 79.

#### **Neighborhood Infrastructure Improvements, City of Tallahassee, Tallahassee, Florida**

##### **Type of Project: Roadway Design**

**Size of Project (Design Fee): \$228,000.** Provided the City of Tallahassee with continuing services for infrastructure improvements to city streets. These services included evaluation of several city streets for bicycle, pedestrian, and Americans with Disabilities Act (ADA) improvements and the preparation of preliminary engineering reports for needed improvements. Infrastructure improvements identified for a 4,100-linear-foot section of Pepper Drive, Putnam Drive, Wallis Street, and Calhoun Street included adding curb and gutter, bike lanes, and sidewalks.

**Specific Project Involvement:** Mr. French provided quality assurance.

# Scott A. Zornek, PE

*Intersection Design*

*Past Job Assignments: Senior Engineer, Civil Engineer*

*Years with PBS&J: 7*

*Years with other Firms: 5*



## Education

B.S., Civil Engineering, North  
Carolina State University, 1998

## Registrations/Licenses

Professional Engineer  
Florida 61248, 2004  
North Carolina 28928, 2003  
IMSA Traffic Signal Technician  
Level II

## Software

Microstation V8  
Synchro Studio 7  
HCS+ T7F  
LOSPLAN 2009  
SIDRA  
TRANSYT-7F

## Professional Affiliations

Institute of Transportation  
Engineers (ITE)

Mr. Zornek has more than 12 years of diverse engineering experience. He joined PBS&J as a senior engineer in the central Florida transportation planning division. His areas of experience include signal timing and progression analysis, traffic impact studies, and corridor studies. He is knowledgeable in all areas of traffic operations studies, analysis of roadway capacity, travel corridor access, alternatives analysis, signal warrant analysis, arterial and intersection levels of service, land use impacts, and mitigation measures. His responsibilities include the management and preparation of traffic engineering studies, traffic planning support, and traffic signal design.

Mr. Zornek's representative PBS&J project experience includes:

**Project Name: I-10 PD&E Re-evaluation, from Davis Drive to Avalon Boulevard, Florida Department of Transportation (FDOT) District Three, Chipley, Florida**

**Type of Project:** PD&E

**Size of Project (cost and scope):** \$1.6 million; analyses include two interchange modifications and the evaluation of one new interchange.

**Specific Project Involvement:** Providing traffic operations analyses for the re-evaluation of I-10 from Davis Drive to Avalon Boulevard.

**Project Name: Wickham Road Traffic Signal Re-Timing, Brevard County, Florida**

**Type of Project:** Arterial Traffic Signal Retiming

**Size of Project (cost and scope):** \$75,000; evaluated and reprogrammed the traffic signal timing plans at 36 intersections to enhance traffic flow along a highly traveled section of roadway in Brevard County. This corridor is broken up into six different control sections.

**Specific Project Involvement:** Engineer-of-record for this 36 intersection corridor.

**Project Name: Continuing Services for Traffic Operations, FDOT District Five, DeLand, Florida**

**Type of Project:** Continuing Services Contract

**Size of Project (cost and scope):** \$3.5 million; Studies provided included arterial roadway studies, arterial retiming studies, qualitative assessments, and signal warrant studies.

**Specific Project Involvement:** While serving as deputy project manager, Mr. Zornek provided various types of operational studies under a continuing services contract. Below are sample projects performed under this continuing services agreement.

- **SR 434 and Calabria Drive Signal Warrant Analysis, Altamonte Springs Florida.** Performed a signal warrant analysis to determine if a traffic signal was warranted.
- **SR 40 and SW 21st Avenue – Intersection Conceptual Design, Ocala, Florida.** Mr. Zornek developed a concept to construct a directional median at the intersection of SR 40 and SW 20th Avenue. In addition, the median openings directly east and west of the intersection

were to be closed. Left turn lane improvements were to be constructed at the intersections of SR 40 at SW 19th Avenue and SR 40 at SW 21st Avenue. The construction of this directional median would improve access management along SR 40 and provide less delay than a signal at this location.

- **SR 50 One-Way Signing Analysis, Groveland, Florida.** Mr. Zornek conducted a Signing Request Evaluation to review the existing signage and determine the need for improvements to the existing one-way signing, as well as the need for additional signage along SR 50 in Groveland.
- **SR 33 and CR 474 Conceptual Design, Groveland Florida.** Mr. Zornek developed a concept to construct a new left-turn lane along the southbound approach of SR 33 at CR 474. The construction of the new left turn lane was intended to improve the overall safety and operation of the intersection as well as the level of service for the mainline.

**Project Name: Osceola County Limited Traffic Studies, Celebration.**

**Type of Project:** Concurrency Review

**Size of Project (cost and scope):** Task Orders – Multiple Studies - \$30,000

**Specific Project Involvement:** Provided traffic operations analyses for the approval of several development parcels along Celebration Boulevard. Working with the Osceola County to revise the right-turn lane criteria as it pertains to future development within Celebration.

**Project Name: Traffic Engineering Consultant, City of Deltona and City of Palm Bay, Florida**

**Type of Project:** Concurrency Review

**Size of Project (cost and scope):** Task Orders - \$3,000 per task order; Calculated impact fees and fair share costs.

**Specific Project Involvement:** Provided City staff with project review services for proposed developments. Represented the cities at numerous meetings with developers.

**Project Name: Seminole County, SR 436/Howell Branch Road Signal Retiming.**

**Type of Project:** Arterial Traffic Signal Retiming

**Size of Project (cost and scope):** \$43,000; development and implementation of coordinated signal timings for 15 signalized intersections on SR 436 and Howell Branch Road in Casselberry, Florida

**Specific Project Involvement:** Project engineer and provided timing analysis for these signal timings.

**Project Name: Wickham Road Corridor Assessment, Brevard County, Florida.**

**Type of Project:** Corridor Analysis

**Size of Project (cost and scope):** \$35,000, enhanced traffic operations along a heavily traveled major arterial in Brevard County, Florida.

**Specific Project Involvement:** Analyzed the existing corridor to identify spot improvements that could be made in the near term to

# Christopher R. Hack, PE

*Stormwater Drainage*

*Past Job Assignments: Drainage Engineer, Senior Roadway Designer, Project Manager*

*Years with PBS&J: 9*

*Years with other Firms: 19*



## Education

B.S., Mechanical Engineering,  
Florida Atlantic University,  
1980

## Registrations/Licenses

Professional Engineer  
Florida 37830, 1987

## Honors and Awards

Young Engineer of the Year,  
American Society of Civil  
Engineers (ASCE), Ridge  
Branch, 1988-1989

## Honorary Appointments

Panel Member for National  
Cooperative Highway Research  
Program (NCHRP) Project,  
Hydraulic Loss Coefficients for  
Culverts, 2002-2009

## Professional Affiliations

Honor Society of Phi Kappa Phi

Mr. Hack has 28 years of experience, 15 years of which were with the Florida Department of Transportation (FDOT). Mr. Hack has considerable expertise in the field of stormwater and drainage, as well as project management and supervision of roadway design crews. Prior work experience includes the design and construction of water supply systems for nuclear power plants for the Tennessee Valley Authority.

For the past nine years, Mr. Hack has been the lead transportation drainage engineer in the Tallahassee office. He has been the responsible drainage designer for several major state road projects in the design and project development phases. His group is responsible for preparation of drainage documentation, bridge hydraulic reports, location hydraulic reports, stormwater permit packages and the drainage components of the construction plans. Representative projects include the following:

### **Project Name: US 98 Realignment in Gulf County, Florida**

#### **Type of Project: Roadway Construction**

**Size of Project (fee and scope): \$30 million (construction estimate)** Design of stormwater management facilities, cross drains, storm drains, and the preparation of a bridge hydraulic report and stormwater permit documentation.

**Specific Project Involvement:** Mr. Hack was the responsible drainage engineer for two projects (Segments 1 and 2) that consisted of relocating approximately 8.5 miles of a two-lane rural facility. Mr. Hack also prepared the bridge hydraulic report for the Segment 3 project over Cypress Creek.

### **Project Name: US 98, Bay County, Panama City Beach, Florida**

#### **Type of Project: Preliminary Roadway Design**

**Size of Project (fee and scope): \$200,000 (drainage design fee)** A community redevelopment project involving the addition of tram lanes, sidewalks, and aesthetic amenities to approximately 8 miles of Front Beach Road.

**Specific Project Involvement:** Mr. Hack was responsible for preparing a drainage concept report that evaluated alternative schemes for providing stormwater management while minimizing outfalls to the beach.

### **Project Name: US 98, Bay County, Panama City Beach, Florida**

#### **Type of Project: Roadway Reconstruction**

**Size of Project (fee and scope): \$14.5 million (construction estimate)** A community redevelopment project involving the addition of tram lanes, sidewalks, and aesthetic amenities to approximately 1.7 miles of roadway.

**Specific Project Involvement: US 98, Bay County, Panama City Beach.** Mr. Hack is responsible for the design of exfiltration systems, storm drains, a stormwater pond and preparation of permit documentation.

### **Project Name: Review of Consultant Designs**

#### **Type of Project: Document Review**

**Size of Project (fee and scope): \$30,000 annual design fee.** PBS&J is currently under contract with FDOT District Three (Chipley) and District Five (DeLand) to provide reviews of consultant prepared plans and reports. The District Three effort is part of the General Engineering Consultant contract and the District

Five effort is part of a District wide drainage support services contract.

**Specific Project Involvement:** Mr. Hack reviews the drainage or stormwater component of roadway improvement projects. The projects are reviewed for compliance with FDOT standards and guidelines and local and regulatory criteria as appropriate. The projects cover the full spectrum of roadway improvements from resurfacing and minor intersections to multi-lane reconstruction and bridge replacements (bridge hydraulics).

**Project Name: Meridian Road Intersections**

**Type of Project: Intersection Improvements**

**Size of Project (fee and scope): \$500,000 (construction)** Safety improvements projects adding turn lanes and traffic signals to two intersections.

**Specific Project Involvement:** Mr. Hack was responsible for the storm drains and cross drains and associated documentation.

**Project Name: City of Tallahassee Neighborhood Enhancement Projects**

**Type of Project: Preliminary Roadway Design**

**Size of Project (fee and scope): \$228,000 (design fee)** Drainage and safety improvements to Putnam Drive, South Calhoun Street, Wallis Street and Pepper Drive.

**Specific Project Involvement:** Mr. Hack was responsible for development and evaluation of alternative drainage concepts and stormwater ponds sites.

**Project Name: Oak Grove Road Bridge Replacement, Walton County, Florida**

**Type of Project: Bridge Replacement**

**Size of Project (fee and scope): \$500,000 (construction)** Plan/Elevation Sheet, Bridge Hydraulic Report, and Load Rating for Replacement of Oak Grove Bridge over Limestone Creek in Walton County.

**Specific Project Involvement:** Mr. Hack prepared a bridge hydraulic report for a bridge replacement of the Oak Grove Road Bridge over Limestone Creek in northeast Walton County.

**Project Name: Seminole County Bridge Replacements**

**Type of Project: Bridge Replacement**

**Size of Project (fee and scope): \$800,000 each (construction)** Bridge Inspections and remediation repair designs for Seminole County

**Specific Project Involvement.** Mr. Hack prepared the Bridge Hydraulic Reports for the Orange Boulevard bridge replacement over the Lockhart-Smith Canal and for the Lake Howell Road bridge replacement over Howell Creek.

**Project Name: FDOT/ Florida Institute of Consulting Engineers (FICE) Drainage Courses**

**Type of Project: Class Preparation and Instruction**

**Size of Project (fee and scope): \$110,000 (design fee)** Developing and teaching several Florida Department of Transportation (FDOT) drainage design classes including Basic Culvert Hydraulics, Storm Drain Design, and Pond Design. These two-day courses are taught to engineers, technicians, designers, and project managers several times a year as requested by FICE and FDOT.

**Specific Project Involvement:** Mr. Hack helped developed several of the FDOT drainage design classes. These included the Basic Culvert Hydraulics class, the Storm Drain Design class, and the Pond Design class. Mr. Hack teaches these courses when requested by FICE or FDOT.



# Robert L. Farley, RLA, LEED AP

*Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida

Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager

U.S. Green Building Council (USGBC) LEED AP

ISA Certified Arborist

GRHC Accredited Green Roof Professional

FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects

Florida Native Plant Society

National Roadside Vegetation Management Association

Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

### **Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Acres**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

### **Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Acres**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

### **Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Acres**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

### **Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Acres**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Project Manager*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Acres**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Acres**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Acre**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Acres**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# B

## Experience with Projects of a Similar Type and Size

Traffic and Intersection Engineering

### Relevant Project Experience

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 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 role of each

PBS&J was tasked with providing engineering services for improvements to the intersection of Bannerman and Bull Headley roads including the addition of new stormwater facilities.

#### **Project 1: Bannerman and Bull Headley Roads Intersection Improvements Design Services, Leon County, Florida**

##### **Nature of Firm's Responsibility**

Under a continuing professional services contract with Leon County, PBS&J was tasked with providing engineering services for improvements to the intersection of Bannerman and Bull Headley roads including the addition of new stormwater facilities. Our services included preparation of construction documents for widening of the eastbound left-turn lane on Bannerman Road, realigning of Bull Headley Road at the intersection of Bannerman Road, and a new stormwater facility located in the northwest corner of the intersection.

PBS&J also prepared the necessary permit applications and supporting documentation for submittals to the Leon County Growth and Environmental Management and Northwest Florida Water Management District (NFWFMD), prepared and submitted a natural features inventory/environmental impact analysis, and performed a Phase 1 archeological study of the site. Construction administration and limited construction inspection services for both the site plan and landscape irrigation portions of the construction were provided.

##### **Project Owner's Contact Information**

Charles Wu  
Leon County Public Works  
2284 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

##### **Project Completion Date**

December 2011

##### **Key Personnel Involved and Roles**

- M. Todd French, PE, design engineer
- Scott A. Zornek, PE, project engineer, signal designer

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### ***Project 2: Meridian Road and Ox Bottom Road, Leon County, Florida***

#### **Nature of Firm's Responsibility**

PBS&J was selected by Leon County Public Works to design improvements at the intersection of Meridian Road & Ox Bottom Road. The project improved the safety at this intersection by adding signalization and turn lanes. This intersection had limited sight distances and high accident rates.

The intersection provided several design and construction challenges that made the feasibility of project completion questionable. Meridian Road is classified as a Canopy Road in the comprehensive plan and has severe restrictions regarding impacts to trees, vegetation, and roadway side banks. There is only a narrow maintained right-of-way along this portion of Meridian Road. The existing roadway does not meet any standards for drainage, shoulders, or sight distance.

#### **Project Owner's Contact Information**

Kimberly A. Wood, PE  
Leon County Public Works  
2284 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

July 2009

#### **Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager
- Scott A. Zornek, PE, Project Engineer, Signal Designer

### ***Project 3: Meridian Road/Bannerman Road, Leon County, Florida***

#### **Nature of Firm's Responsibility**

PBS&J was selected by Leon County Public Works to design improvements at the intersection of Meridian Road & Bannerman Road. The project improved the safety at this intersection by adding signalization and turn lanes. The intersection had limited sight distances and high accident rates.

Meridian Road is classified as a Canopy Road in the comprehensive plan and has severe restrictions regarding impacts to trees, vegetation, and roadway side banks. There is only a narrow maintained right-of-way along this portion of Meridian Road. The existing roadway did meet any standards for drainage, shoulders, or sight distance.

#### **Project Owner's Contact Information**

Kimberly A. Wood, PE  
Leon County  
2284 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

August 2009

#### **Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager
- Scott A. Zornek, PE, Project Engineer, Signal Designer

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### ***Project 4: Monroe Street (US 27) SEIR for the Addition of a North Bound Turn Lane, Leon County, Florida***

#### **Nature of Firm's Responsibility**

PBS&J assisted the County and another engineering firm that designed the project to develop a SEIR. This was done so that FDOT would permit the County to construct the project. The project included an additional travel lane on the northbound side of North Monroe from John Knox Road to Interstate 10. The project had minimal stormwater or environmental impacts and the primary project impacts were to commercial properties fronting the project area. PBS&J prepared all necessary documents, commissioned field studies, and conducted public meetings for the process, resulting in a fast-track accomplishment of the needed goal.

#### **Project Owner's Contact Information**

Charles Wu, PE  
Leon County Public Works  
2284 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

June 2010

#### **Key Personnel Involved and Roles**

Dan Beaty, AICP, project manager

### ***Project 5: SR 33 and CR 474 Conceptual Design***

#### **Nature of Firm's Responsibility**

The PBS&J team developed a concept plan to construct a new, left-turn lane along the southbound approach of SR 33 at CR 474. The new left turn lane was intended to improve the overall safety and operation of the intersection as well as the level of service for the mainline.

#### **Project Owner's Contact Information**

Veronica Grove, PE  
Florida Department of Transportation  
District Five Traffic Operations - MS 3-562  
719 South Woodland Boulevard, DeLand, FL 32738  
386.943.5000

#### **Project Completion Date**

December 2007

#### **Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager
- Scott A. Zornek, PE, Project Engineer

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### ***Project 6: SR 50 One Way Signing Analysis, Groveland, Florida***

#### **Nature of Firm's Responsibility**

PBS&J conducted a Signing Request Evaluation to review the existing signage and determine the need for improvements to the existing one-way signing, as well as the need for additional signage along SR 50 in Groveland.

#### **Project Owner's Contact Information**

Veronica Grove, PE  
 Florida Department of Transportation  
 District Five Traffic Operations MS 3-562  
 719 South Woodland Boulevard, DeLand, FL 32738  
 386.943.5000

#### **Project Completion Date**

April 2007

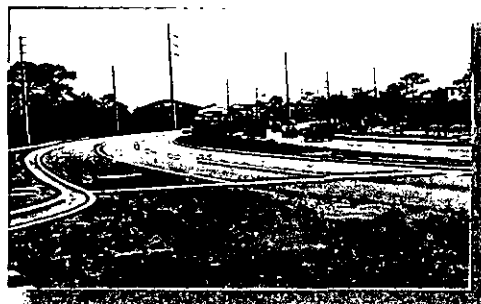
#### **Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager
- Scott A. Zornek, PE, Project Engineer

### ***Project 7: SR 40 and SW 21st Avenue – Intersection Conceptual Design, Ocala, Florida***

#### **Nature of Firm's Responsibility**

The intent of this project was to develop a concept to construct a directional median at the intersection of SR 40 and SW 20th Avenue. In addition, the median openings directly east and west of the intersection were to be closed. Left-turn lane improvements were to be constructed at the intersections of SR 40 at SW 19th Avenue, and SR 40 at SW 21st Avenue. The construction of this directional median would improve access management along SR 40 and provide less delay than a signal at this location. The median openings to the east and west of SW 20th Avenue are being closed to facilitate extension of the eastbound left-turn lane at SW 19th Avenue and extension of the westbound left-turn lane at SW 21st Avenue.



#### **Project Owner's Contact Information**

Veronica Grove, PE  
 Florida Department of Transportation  
 District Five Traffic Operations - MS 3-562  
 719 South Woodland Boulevard, DeLand, FL 32738  
 386.943.5000

#### **Project Completion Date**

October 2007

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**Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager
- Scott A. Zornek, PE, Project Engineer

***Project 8: Wickham Road Signal Retiming, Brevard County, Florida*****Nature of Firm's Responsibility**

This project involved retimed traffic signals along the Wickham Road corridor in Brevard County, from I-95 to NASA Boulevard, in order to minimize delay throughout this heavily congested corridor.

**Project Owner's Contact Information**

John Denninghoff, PE  
2725 Judge Fran Jamieson Way, Viera, FL 32940  
321.617.7202

**Project Completion Date**

August 2007

**Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager
- Scott A. Zornek, PE, Project Engineer

***Project 9: SR 414 from I-4 to Hope Road Ramps Qualitative Assessment, Maitland, Florida*****Nature of Firm's Responsibility**

PBS&J observed the westbound section of SR 414 from the I-4 eastbound entrance ramp to Hope Road during the AM and PM peak periods to assess existing operating conditions and to determine what if any intersection improvements are needed. This study was initiated by a request to review the overall intersection's safety and operations. The study was spurred by a request that the road be studied due to westbound traffic on SR 414 traveling in the right shoulder into the added lane created at Hope Road blocking traffic from Hope Road onto westbound SR 414. The studied review overall traffic operations at the intersection, safety concerns, and maintenance issues. This study included a crash analysis and a qualitative review of the overall intersection operations.

**Project Owner's Contact Information**

Veronica Grove, PE  
Florida Department of Transportation  
District Five Traffic Operations - MS 3-562  
719 South Woodland Boulevard, DeLand, FL 32738  
386.943.5000

**Project Completion Date**

September 2008

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### **Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager/Engineer
- Scott A. Zornek, PE, Quality Assurance

### ***Project 10: SR 434 and Calabria Drive Signal Warrant Analysis, Altamonte Springs, Florida***

#### **Nature of Firm's Responsibility**

The PBS&J Team performed a signal warrant analysis to determine if a traffic signal was warranted.

#### **Project Owner's Contact Information**

Veronica Grove, PE  
 Florida Department of Transportation  
 District Five Traffic Operations - MS 3-562  
 719 South Woodland Boulevard, DeLand, FL 32738  
 386.943.5000

#### **Project Completion Date**

September 2008

#### **Key Personnel Involved and Roles**

- Sean E. Doherty, PE, PTOE, Project Manager/Quality Assurance
- Scott A. Zornek, PE, Project Engineer

### ***Current Relevant Projects***

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

PBS&J has extensive related experience providing traffic and intersection engineering services for projects of a similar size and scope to these Leon County continuing services projects. Specific projects demonstrating our capabilities and qualifications for traffic and intersection engineering precede this section. PBS&J is a national firm and, as such, has an extensive list of projects currently under contract. That list can be provided upon request. Current ongoing projects for our proposed team include those described above.

### ***Quality Assurance Process and Procedures***

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.

To ensure product quality, PBS&J implements a "5-Step Quality Control" process for each project. This is a process whereby an equally qualified technical professional that is not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and reduce construction costs by reducing or eliminating change orders as a result of design errors.



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The cornerstone of our comprehensive services is our commitment to the concept of total quality management and a commitment by all employees to work to meet the needs of all clients. Additionally, we ask that our subconsultants also implement a peer review of their work. Your project director, **Michael A. Scibelli, PE**, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated that this strategy works and we intend to continue this approach in the future. However, we are also receptive to new ideas, and look forward to answering any questions you may have or suggestions you may offer to further improve this strategy to best serve your needs. We understand that there is always room to improve and we are open to your suggestions.

### ***Basic and Special Resources***

*5. 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.*

PBS&J's network and associated equipment are strengths of our team and proposal. The PBS&J network provides nationwide connectivity via our dedicated virtual private network (VPN) connections to all of our offices, which offers our clients a pool of resources—regardless of location.

PBS&J employees and vendors are equipped with remote VPN access to allow for productivity beyond the confines of our traditional office hours and walls to support any of our products. PBS&J uses innovative technology to secure the networked environment including firewalls, virus scanning, IP-based encryption, communication filtering for spam, and content filtering of illegitimate websites in an effort to maximize productivity and minimize the possibility of data loss.

PBS&J is aware that accidents and disasters happen, and we maintain a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients. We employ companies, such as Iron Mountain and AT&T, as redundant data centers and for records and data retention. All levels of management are involved in the recovery process, and the recovery design is reviewed twice a year

PBS&J also operates and maintains complete hardware and software technology in support of our database and GIS solutions. These resources include AutoCAD Civil 3D, MicroStation, and a full array of ARC/INFO products and compatible hardware. Our staff includes ESRI-certified instructors, Avenue and Visual Basic programmers, hardware and network installation specialists, and analysts familiar with engineering problems and procedures.

PBS&J also provides web development and web hosting services to our clients, including development of basic websites, web-based database sites, map-based sites, and project-specific sites.

PBS&J's team will not require facilities beyond our existing and continually updated systems and software products. A description of our system components follows.

#### Software Capabilities:

- Microsoft Office 2007
- AutoDesk AutoCAD and Civil 3D 2011

- 
- Microstation 8 and VM (Geopak 2008)
  - ERSI ArcView 9.3 and 10.0
  - Seagate Crystal reports, version 5.
  - Modeling software (SWMM, HEC, Cybernet, XP-SWMM, H20Net version 3.0, WaterCad version 3.0, StormCAD version 3.0, InfoWater)
  - Microsoft Internet Explorer 8
  - Adobe Suite CS4
  - Adobe Acrobat 7.0 Standard and Professional 8.0, 9.0, and 10.0



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.

# D

## Effect of Firm's Recent, Current and Projected Workload

*Traffic and Intersection Engineering*

### **Current Projects and Completion Dates**

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

Projects were listed in Part B of this proposal, Experience With Projects of Similar Type and Size.

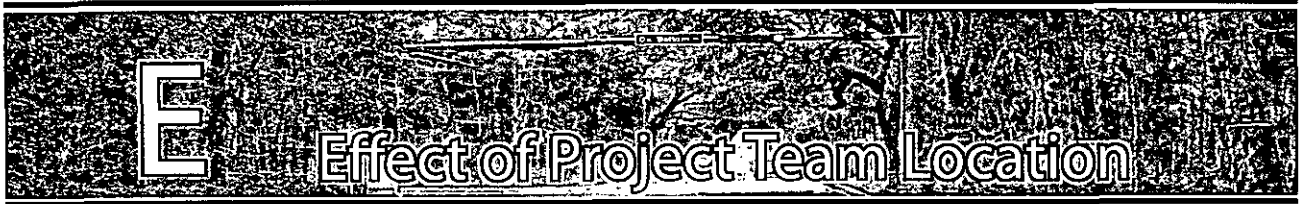
### **Ability to Absorb Leon County Projects**

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

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee office has more than 130 employees representing every service provided by PBS&J.*

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. PBS&J will be fully available and accessible to meet the needs of the County.



*Traffic and Intersection Engineering*

## **Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### ***Community Involvement***

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



# F

## Approach to the Project

*Traffic and Intersection Engineering*

### **Approach to Accepting and Completing Projects**

*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.*

#### ***Traffic Operations***

*PBS&J's approach, regardless of the task, is to provide the appropriate experienced professional to solve the issue, coordinate with the County throughout the process to ensure that your needs are exceeded, and provide safe and effective solutions.*

The area of traffic operations is a diverse field. It often incorporates conceptual and final design as well as observational and analytical studies which rely heavily on engineering judgment. Our approach, regardless of the task, is very similar. We provide the appropriate experienced professional to solve the issue, coordinate with our client throughout the process to ensure that their needs are exceeded, and provide the safe and effective solutions that protect the interest of the County and the public. The following is a brief description of our approach to providing traffic signal design services to the County.

Once the installation or modification of a traffic signal is approved by the relevant jurisdictional agency, PBS&J's experienced staff will prepare comprehensive Traffic Signal Plans including the details and specifications required by Leon County for all requisite features of the traffic signal equipment. PBS&J designers will conduct a field visit to gain a basic knowledge of the area surrounding the intersection as well as identify possible design concerns. These concerns will be introduced at a kickoff meeting. The purpose of this meeting is to obtain a full understanding of the County's needs and expectations and to discuss the designer's concerns discovered during the initial field visit. This meeting provides an open forum so that the designers begin their efforts knowing how best to meet the County's concerns.

Concurrent or prior to the kickoff meeting the local utility providers shall be contacted. This can be done through Sunshine One Call or directly with the utility providers. The earlier any utility conflicts are identified the fewer surprises or changes there will be during design. Once the utilities have been identified, a survey of the intersection will be conducted so that the base plan can be developed. This survey will include but not limited to such features as the located utilities, face-of-curb, back-of-sidewalk, curb inlets, pavement markings, signs, walls, pedestrian features, and any landscaping that may affect the location of traffic signal equipment. When available, PBS&J will collect maps from the utility companies and roadway as-builts to supplement the survey.

Through coordination with the County, right-of-way, both existing and future will be identified on the base plan. Coordination with the electric service company will begin so that a power source location for the new signal can be identified early in the design process. PBS&J will provide 60%, 90% and 100% plan submittals to the County for review. These construction plans will include the signal structures, roadway signing and striping, basic signal timings, the required method of

detection as well as any other features identified through continuous coordination with County staff throughout the design process and will conform to the City's or FDOT's standards for signals, whichever apply. Also, for signals in general, the City maintains the County's signals, so the need to be consulted during design as well.

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

### ***Step 1: Kickoff Meeting***

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.



The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

*By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.*

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.

### ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional

services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

### ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

*Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director.*

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

### ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

### ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

## ***Cost Control***

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

## ***Peer Review/Quality Assurance Plan***

*The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs.*

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.



**A**

**Ability of Professional Personnel**

*Structural Engineering*

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Structural Engineering	7	9	27

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.*

*Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Structural Engineering								
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Design	Investigation / Evaluation	Bridges	Drainage Structures	Walls
Michael A. Scibelli, PE	Client Service Manager	Tallahassee, FL	14 (14)	■	■	■	■	■
David L. Conrad, PE	Project Manager	Tallahassee, FL	5 (17)	■	■		■	■
Jonathan S. Kreiner, Ph.D., PE, LEED AP	Structures Design	Orlando, FL	3 (17)	■	■		■	■
William P. Pitcher, PE	Structures Design	Ft. Lauderdale, FL	30 (6)	■	■	■	■	■
Desiderio M. Maldonado, EI	Structures Design	Tallahassee, FL	5 (0)	■	■			
Richard Don Harrell, PE	Bridge and Transportation Structures	Tallahassee, FL	10 (30)	■	■	■	■	■
Jerry A. O'Steen, PE	Bridge and Transportation Structures	Tallahassee, FL	13 (30)	■	■	■	■	■
Donald L. Horton	Bridge and Transportation Structures	Tallahassee, FL	8 (10)			■	■	■
Robert L. Farley, RLA, LEED AP	Certified Arborist	Tallahassee, FL	7 (27)					

## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter & Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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*  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050  
  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation



For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killlearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### **HSA Consulting Group, Inc. (HSA) – Surveying**



**HSA Consulting Group**

*HSA  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308  
ph. 850.309.7510  
fax: 850.309.0246  
Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida*

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions.. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### **HSA Local Experience**

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### ***Nodarse & Associates, Inc. (N&A) – Geotechnical***

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for

most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter>Mitchell*  
117 South  
Gadsden Street  
Tallahassee,  
Florida 32301  
Ph. 850.681.3200  
fax 850.681.7200

#### **Salter > Mitchell, Inc. – Public Relations**

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

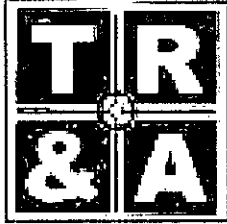
#### **Salter Mitchell Local Experience**

- Killearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations

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### ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

#### **TR&A Local Experience**

- "M" Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

# Structural Engineering



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**David L. Conrad, PE**  
Project Manager  
Tallahassee

## Structures Design

**Jonathan S. Kreiner, Ph.D., PE, LEED AP**  
Orlando

**William P. Pitcher, PE**  
Ft. Lauderdale

**Desiderio M. Maldonado, EI**  
Tallahassee

## Bridge and Transportation Structures

**Richard Don Harrell, PE**  
Tallahassee

**Jerry A. O'Steen, PE**  
Tallahassee

**Donald L. Horton**  
Tallahassee

**Robert L. Farley, RLA, LEED AP**  
Certified Arborist  
Tallahassee

# Michael A. Scibelli, PE

*Client Service Manager, Project Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall client service manager for all civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the primary client service manager for Leon County and he has served as the project manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

## Professional Affiliations

American Public Works Association

Water Environment Federation (WEF)

Society of American Military Engineers (SAME)

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

Mr. Scibelli has been providing project management on Leon County projects for more than seven years and is committed to continuing to be Leon County's client service manager and a project manager to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA Big Bend chapter as Projects of the Year. One such project was the Killearn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1,300 residents of Killearn Lakes Plantation Units 1 & 2. The neighborhood experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5-percent of the County's original budget estimate. During the entire project, only one tree was removed after more than 100,000 feet of sewer pipe was installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the city limits. This project was permitted and built and the final cost was approximately 20-percent below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the last 10 years**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

#### **Recent Leon County Projects:**

##### **Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killcam Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

##### **Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

##### **Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

##### **Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killeam Lakes Sidewalks Design, Permitting & Construction Administration.

##### **Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

##### **Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

##### **Utility Engineering**

- Project manager for Killeam Lakes Low Pressure Sewer Support.

Michael A. Scibelli, PE  
*Client Service Manager, Project Manager*

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.



# David L. Conrad, PE, SE I

*Project Manager*

*Past Job Assignments: Structural Engineer-of-Record, Project Manager*

*Years with PBS&J: 5*

*Years with other Firms: 17*



Mr. Conrad is a senior structural engineer with 20 years of experience including structural engineering analysis and design. His background includes establishing design criteria, loads, and conditions for structures; structural analysis and design; specification review; reviewing shop drawings for accuracy, completeness and errors; cost estimating; and scheduling. Previous project experience includes design of loading docks, display structures, awning, bracing system for industry and residential supports, and structures. He was also responsible for construction inspection to ensure that projects were built in accordance with design drawings and the specifications. Mr. Conrad's experience includes the following projects:

## Education

B.S., Construction Engineering,  
Purdue University, 1989

M.S., Structural Engineering,  
Georgia Institute of  
Technology, 1993

## Registrations/Licenses

Professional Engineer

Florida 63186, 2005

Georgia 20730, 2001

Alabama, 29665, 2008

South Carolina, 26650, 2008

Mississippi, 19209, 2009

Maryland, 37785, 2009

Texas, 105670, 2010

Florida Certified General

Contractor License

#CGC1509058 (Inactive)

## Certifications

National Council of Examiners for  
Engineering and Surveying  
(26693)

## Professional Affiliations

American Concrete Institute (ACI)

American Institute of Steel

Construction (AISC)

American Society of Civil

Engineers (ASCE)

Light Gauge Steel Engineers

Association (LGSEA)

**Project Name: Vopak Dock Ship Dock # 3, Deer Park Terminal, Houston, Texas**

**Type of Project: Marine Oil and Bulk Liquid Terminal**

**Size of Project (dollar amount and scope): \$49M constructed cost**

**Specific Project Involvement:** PBS&J provided engineering and construction management services as the Owner's Representative for the Vopak Dock Ship Dock # 3, Deer Park Terminal in Houston, Texas. The project is the rehabilitation and new construction of the Ship Docks #4 and #5, intended to increase the number of ship berths from three to four, and to build additional barge dock facilities to ensure no loss of barge berths. Mr. Conrad reviewed the structural design documents for compliance with the project scope, technical accuracy, and agreement with the basis of design as well as with the project QA review.

**Project Name: Gordon A. Finch Molasses Dock Terminal, Roll-on/Roll-off (RORO) Dock Replacement**

**Type of Project: Marine Dock and Pier**

**Size of Project (dollar amount and scope): \$7M**

**Specific Project Involvement:** The Virgin Island Port Authority (VIPA) is replacing the roll-on/roll-off dock and adding a shipping control building at the Krause Lagoon facility on the island of St. Croix. The site is challenging due to the seismic nature of the islands and the presence of deep layers of hydraulic fill. The marine structures consist of a new expanded basin, a deeper bulkhead, expanded marshalling areas, as well as improvements to the mooring dolphins. Mr. Conrad was an engineering design assistant for the deep bulkhead system and marshalling slab.

**Project Name: Navarre Pier, Design of a New Fishing Pier, Santa Rosa County, Florida**

**Type of Project: Coastal Fishing Pier**

**Size of Project (dollar amount and scope): \$8M constructed cost**

**Specific Project Involvement:** This project for the County of Santa Rosa, Florida involves design of a new fishing pier that extends 1,500 feet into the Gulf of Mexico. Mr. Conrad serves as the lead design professional and structural engineer-of-record for the project teams. The project will involve design professionals from several divisions to provide the technical expertise to analyze and design the new structure.

**Project Name: Federal Emergency Management Agency (FEMA) National Technical Review (NTR) Hazard Mitigation Technical Assistance Program (HMTAP)**

**Type of Project: Technical review**

**Size of Project (dollar amount and scope): Review \$300M in grant projects**

**Specific Project Involvement:** Member of FEMA's technical team to provide support for the mitigation program during the annual competitive grant process. Mr. Conrad has been a participant offering structural technical assistance to this program since 2007. The 2009 NTR was expanded to include the NTRs of four non-disaster programs, including Pre-Disaster Mitigation (PDM), Flood Mitigation Assistance (FMA), Repetitive Flood Claims (RFC), and Severe Repetitive Loss (SRL) programs. The 50 member 2009 NTR team reviewed 327 projects with 1,756 structures.

**Project Name: Crandon Park Marina, Biscayne Bay, Florida**

**Type of Project: Tenant space, Marine Bulkhead and Marginal Dock**

**Size of Project (dollar amount and scope): \$2M constructed cost**

**Specific Project Involvement:** This project involves environmental and structural issues at the marina. The structural aspects entail the evaluation and engineering of the fender piles, a seawall and bulkhead system, the pier caps, and the marginal docks as well as new upland tenant spaces of the Crandon Park Marina. The project will involve professionals from various divisions to determine environmental and structural conditions in the basin around the seawall as well as the condition of the seawall and landside structures. Mr. Conrad was the structural engineer-of-record for the project team.

**Project Name: Jacksonville Naval Air Station (NAS) C-130 Wash-Rack**

**Type of Project: Misc. Utility Structure**

**Size of Project (dollar amount and scope): \$600K constructed cost**

**Specific Project Involvement:** The Jackson NAS in Jacksonville, Florida has an expanded role due to the Base Realignment and Closure (BRAC) program. As a result there will be several C-130 aircraft as well as MMA stationed and serviced from this base. One of the maintenance issues for these aircraft is the regular cleaning of the aircraft. This wash rack project provides fall protection to personnel who are cleaning and servicing these aircraft. The wash rack uses a mono-tube design concept for strength, serviceability, ease of fabrication, ease of ownership, expandability and simplicity. Mr. Conrad was the structural engineer-of-record for the project.

**Project Name: Dog Island Ferry Terminal, Carrabelle, Florida**

**Type of Project: Marine Pier and Dock**

**Size of Project (dollar amount and scope): \$316K constructed cost**

**Specific Project Involvement:** This project involves improvements to a ferry terminal on the land side of the Dog Island Ferry. Mr. Conrad serves as the structural engineer responsible for the analysis and design of the ferry terminal components in accordance with the codes and requirements of the governing authorities.

# Jonathan S. Kreiner, Ph.D., PE, LEED AP (BC+D)

Senior Structural Engineer – Structures Design

Past Job Assignments: Senior Structural Engineer

Years with PBS&J: 3

Years with other Firms: 17



## Education

Ph.D., Civil Engineering,  
Structures, University of  
Florida, 1996

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

B.S., Ocean Engineering,  
Structures, Florida Institute of  
Technology, 1991

## Registrations/Licenses

Professional Engineer:

NCEES Records (Structural I),  
Cert. No. 41178, 2010

Alaska (Civil), CE 12364, 2009

Florida (Structural), 54484, 1999

U.S. Virgin Islands (Structural),  
609E, 1996

## Certifications

NCEES Records #41178, 2010

Leadership in Energy &  
Environmental Design –  
Accredited Professional

GBCI #10391883, 2009

Certified General Contractor  
(CGC), Florida (062005), 2002

Certified Special Building Inspector  
(CBI), Florida (2012), 2001

Scaffold Safety Trained  
(AGC), Florida, 2005

Professional Association of Diving  
Instructors (PADI)-Certified  
Rescue Scuba Diver, 1995

PADI-Certified Medical First Aid  
and CPR, 1995

Dr. Kreiner is the senior group manager in PBS&J's architectural engineering sector in the Orlando, Florida, office. He has 20 years of primarily structural engineering, project management, college-level instruction, and general construction experience for varied public agencies and private companies. His relevant computer skills include: **Systems:** Apple/MAC, MS-DOS/Windows, UNIX; **Languages:** BASIC, FORTRAN, PASCAL, MACHINE, HYPERSCRIPT; **Programs:** ACAD, Revit, Excel, SSTAN, ANSYS, MathCAD, STRUCAD3D, RAMSTEEL, PATRAN, PCABEAM/COL, WALLDEZ, ADAPT, WordPerfect, Microsoft Word, ENERCALC, STAADIII, Risa3D, NavisWorks, DS Anchor.

Dr. Kreiner's PBS&J project experience includes (completed projects):

### **Project Name: Volusia County Marine Science Center, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$250,000 (construction cost)**

**Specific Project Involvement:** Senior engineer responsible for the production of structural design documents used for permitting and construction purposes. This \$250,000 project involved addition of a new raised reinforced concrete on block masonry stem walls pad on a large cast-in-place pile cap supported by auger-cast piles for a new emergency generator. Complimenting this assembly included a new pressure treated wood elevated platform housing new electrical switch gear. New platform and pad was installed in a designated FEMA flood zone.

### **Project Name: Seminole Community College Building "K" Renovations, Seminole County, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$12 million (construction cost)**

**Specific Project Involvement:** Senior engineer responsible for the production of structural design documents used for permitting and construction purposes. This extensive \$12 million renovation project was for the Seminole community college campus, and the project objective was to improve and expand an existing 35,000 square foot, 25 year old facility into a new 70,000 square foot facility consisting of classrooms, offices, laboratories, and restrooms.

### **Project Name: Stovall Building Repairs, Citrus County, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$1 million (construction cost)**

**Specific Project Involvement:** Senior engineer responsible for the production of structural design documents to be used for permitting and construction purposes. This \$1 million renovation project for Citrus County involved structural, mechanical, and electrical disciplines. The project objective was to improve various structural and mechanical systems for an existing 25,000 square foot, six year old facility consisting of offices, cashier center, data center, plotting and printing rooms, break rooms, and restrooms.

### **Project Name: Wizarding World of Harry Potter at Universal Studios, Orlando, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$200 million (construction cost)**

Jonathan S. Kreiner, Ph.D., PE, LEED AP  
Senior Structural Engineer – Structures Design

**Specific Project Involvement:** Senior engineer responsible for the production of structural design documents to be used for a variety of new attraction facilities at Islands of Adventure. The new \$200 million development project included the complete replacement and expansion of an older attraction facility.

**Project Name: Mexico Pavilion Renovations at The Experimental Prototype Community of Tomorrow (EPCOT), Orlando, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$1 million (construction cost)**

**Specific Project Involvement:** Senior engineer responsible for the production of structural design documents to be used for permitting and construction purposes. This \$1 million renovation project was for Walt Disney's Epcot Center and the project objective was to improve and expand an existing tequila bar, kitchen area, restrooms, and cantina.

**Project Name: Kingdom of Saudi Arabia, Dhahran, Saudi Arabia**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$800 million (construction cost)**

**Specific Project Involvement:** Senior engineer responsible for structural quality control review of construction documents. This extensive \$800 million development project was for the Saudi Arabian Oil Company. The project objective was to ensure that structural engineering practice complied with applicable building codes, industry standards, and ARAMCO standards for a new 400,000-square-foot facility.

**Project Name: Single Award Task Order Contract (SATOC) for Warriors in Transition Facilities in the Southeast Region, Architecture-Engineering (A-E) Services for Design-Build (D-B) of Battalion Headquarters, Fort Riley, Fort Stewart, Fort Jackson**

**Type of Project: Structural Design Review**

**Size of Project (dollar amount and scope): \$17 million (construction cost)**

**Specific Project Involvement:** Senior structural engineer responsible for QA/QC reviews of Bentley BIM structural models including 2D and 3D drawings for this project. Participated in the design and analysis of structural building components including a full steel moment-resisting frame with concrete shallow foundations, and the analysis and design of light gage exterior walls. Also responsible for the coordination of structural components with other design groups (architecture, mechanical, electrical, and LEED) working on the project. The PBS&J/Alutiq design-build team has addressed various components, including building occupancy requirements, regional soils and climatic conditions, facility structural considerations, HVAC systems, and exterior architectural features.

**Project Name: Construct Addition to and Repair CDC, Buildings 790 and 1265, USACE Huntsville District, Holloman AFB, New Mexico**

**Type of Project: Building Design**

**Size of Project (dollar amount and scope): \$5 million (construction cost)**

**Specific Project Involvement:** Providing professional A-E services for the enhanced development of two existing child development center buildings along with their associated site peripherals at Holloman AFB. These single story facilities encompass administrative offices, classrooms, commercial food service equipment, and child/family care centers. Overall construction was typically driven by significant mechanical and electrical repairs with some structural support effort typically consisting of combined wood and steel roof framework, block masonry walls, brick veneer, and reinforced concrete.

# William P. Pitcher, PE

*Senior Structural Engineer – Structures Design*

*Past Job Assignments: Project Manager, Project Administrator*

*Years with PBS&J: 30*

*Years with other Firms: 6*



## Education

M.S., Structural Engineering,  
University of Connecticut,  
1976

B.S., Civil Engineering, University  
of Connecticut, 1973

## Registrations/Licenses

Professional Engineer  
Florida 31852, 1982  
Maryland 17943, 1992  
Massachusetts, 3005, 1980  
South Carolina 21515, 2001

## Professional Affiliations

American Society of Civil  
Engineers (ASCE)  
Chi Epsilon Civil Engineering  
Honor Society  
Florida Engineering Society (FES)  
National Society of Professional  
Engineers (NSPE)

Mr. Pitcher was responsible for overall technical supervision, management, and administration of PBS&J's South Florida bridge and building design group and the bridge inspection and evaluation department. He was in charge of structural design for highway bridges, toll plazas, mass transit systems, commercial and industrial buildings, environmental structures, parking garages, marinas, and port facilities. Present duties include preparation of production schedules, staffing needs, budget analysis, project delivery, progress monitoring, and quality assurance. He served as program manager for structures and is in charge of toll plaza building/structural reviews for the Florida's Turnpike Enterprise GEC assignment. He headed a staff of seasoned structural engineers charged with timely, accurate technical reviews of main line and ramp toll collection facilities, administration buildings, maintenance shops, and structures designed for the Turnpike by other consultants. His relevant project experience includes:

**Project Name: Port of Miami Cruise Terminals D and E, Miami-Dade Seaport Department, Miami, Florida**

**Type of Project: Building**

**Size of Project: \$ 80 Million**

**Specific Project Involvement:** Under a current program management contract with Miami-Dade Seaport, Mr. Pitcher recently served as senior project manager for a construction manager-at-risk (CMAR) contract pursuant to the design and construction of world-class cruise terminals D and E to serve new mega cruise ships. Each terminal was constructed at a cost of \$40 million, included a state-of-the-art Americans with Disabilities Act (ADA) compliant passenger loading bridge, and designed in conformance with U.S. Customs and Border Protection (CBP) criteria for international travel. Led a team of project managers, administrators, and project inspectors for three years. Completed in 2007.

**Project Name: Port of Miami Cruise Terminals B & C, Miami-Dade Seaport Department, Miami, Florida**

**Type of Project: Building**

**Size of Project: \$ 10 Million**

**Specific Project Involvement:** Under a current program management contract with Miami-Dade Seaport, Mr. Pitcher serves as structural engineer consultant for modifications and additions to the existing terminal buildings. Improvements include selective demolition and remodeling, new exterior glazing and curtain walls, new walkways, new exterior doorways, new exterior canopies, ADA access ramps, new passenger boarding bridges, and new state-of-the-art CBP facilities. Mr. Pitcher reviews construction documents, project cost estimates, and schedules, and provides guidance to the port on design and construction issues. Modifications are currently under way and others are planned.

**Project Name: Port of Miami Cruise Passenger Boarding Bridges, Miami-Dade Seaport Department, Miami, Florida**

**Type of Project: Special Equipment Design**

**Size of Project \$ 4.0 Million**

**Specific Project Involvement:** Under a current program management contract with Miami-Dade Seaport, Mr. Pitcher serves as structural engineer consultant for the acquisition of new ADA-compliant mobile passenger boarding bridges

for existing and new cruise terminals. In addition, he supported the port with the development of technical specifications for the new passenger boarding bridges (PBB), reviewed manufacturer designs and structural fabrication drawings, and provided structural support with respect to new bridge runways, foundations, and hurricane tie-downs anchorages. Mr. Pitcher is currently providing assistance during the shipment, assembly, and commissioning phase of the new PBBs. The PBBs are designed to accommodate a full range of horizontal and vertical movement to serve new mega cruise ships due to call at the port in 2010.

**Project Name: Florida Turnpike Operations Center**

**Type of Project: Building**

**Size of Project \$ 10.0 Million**

**Specific Project Involvement:** Mr. Pitcher was involved with the structural design development and design review of the Turnpike Operations Center at Pompano, Florida. He performed quality control inspections at the concrete precast yards, visited the project site during construction, reviewed shop drawings, and managed the structural review team.

**Project Name: Disney Development Celebration**

**Type of Project: Bridges and Retaining Walls**

**Size of Project \$ 6.0.0 Million**

**Specific Project Involvement:** He recently served as structural program manager for the Disney Development Company, Celebration Project, Contract 3. This project includes the design of seven arch water crossing structures, two AASHTO beam bridges, a 1,100-linear-foot lakefront seawall and "architectural theming of all structures. The project is being completed on a fast-track basis to meet a condensed design and construction schedule. All contract documents are being prepared to Florida Department of Transportation (FDOT) standards.

**Project Name: Various Bridge Design Assignments**

**Type of Project: Bridges**

**Size of Project > \$ 100 Million**

Mr. Pitcher previously supervised bridge design assignments involving the preparation of bridge development reports, preliminary engineering designs, and final engineering designs for FDOT Districts One, Four, Six, Seven, and Eight.

**Project Name: FDOT Bridge Inspection Programs**

**Type of Project: Bridge Inspections**

**Size of Project : > \$ 5 Million Fees**

He served as project manager for the 1991–1993 FDOT District Five Local Government Bridge Inspection Programs, which comprised more than 750 bridge inspections and evaluation reports, including BMIS input and certifications. His responsibilities included the supervision and coordination of bridge inspection teams, bridge evaluation teams, project scheduling, quality assurance, as well as local government liaison. Mr. Pitcher was the confirming PE for each inspection report and load rating.

**Project Name: SF Tri-County Commuter Rail Authority**

**Type of Project: Commuter Rail and Transit Design Services**

**Size of Project : > \$ 2 Million Fees**

Mr. Pitcher was PBS&J's principal project manager for South Florida's Tri-County Commuter Rail Authority (Tri-Rail) projects.

# Desiderio M. Maldonado, EI

*Structures Design*

*Past Job Assignments: Civil Engineer*

*Years with PBS&J: 5*

*Years with other Firms: 0*



## Education

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

## Certifications

Engineer Intern (EI), Florida (1100010586), 2006

## Professional Affiliations

American Society of Civil Engineers (ASCE)  
Florida Engineering Society (FES)  
Florida Water Environment Association (FWEA)

Mr. Maldonado is a civil engineer with over five years of civil and structural design and analysis experience and serves as an engineer in PBS&J's ports and coastal division. His background includes on-site construction administration and inspection, master planning and site plan design, structural design and analysis, cost estimating and preparation of construction documents. His current duties include preparing construction documents, structural calculations, structural drawings and details, interdisciplinary coordination, and on-site construction inspections.

Mr. Maldonado's PBS&J experience includes:

**Project Name: Sebastian Inlet State Park Fishing Pier Replacement, Vero Beach, Florida**

**Type of Project: Structural Design**

**Size of Project: \$70,260**

**Specific Project Involvement:** PBS&J was contracted to design, permit, and provide construction drawings for a new replacement pier at the Sebastian Inlet State Park. The park currently has an all pressure-treated wood fishing pier located along the Sebastian Inlet. Part of the new pier design will incorporate concrete piles to eliminate pressure treated wood from coming in contact with the waterway under normal conditions. This new fishing pier will also be wider and allow for docking of emergency response water vessels if needed. Mr. Maldonado prepared the preliminary and final design and calculations of the structure, as well as all drawings for permit submittal and bid documents.

**Project Name: Boat Harbor Water Treatment Plant Odor Control Improvements, New Port News, Virginia**

**Type of Project: Structural Design**

**Size of Project: \$615,655**

**Specific Project Involvement:** This project for Hampton Roads Sanitation District, Virginia is to add plant upgrades that include new caustic soda tank and feed system, biosolids receiving facility with odor scrubbers, and modifications to existing dewatering building to accommodate new duct work and high plume blower fans, as well as plan for future expansion. The structural requirement for the high plume blower fans was to design framing on the roof to support the fans while allowing it to be safely accessible for maintenance. Careful consideration was taken to ensure new structures properly interacted with existing structure. Mr. Maldonado prepared calculations for structural design, as well as prepared structural construction documents.

**Project Name: Ponte Vedra Library Eco Park Boardwalk, Ponte Vedra, Florida**

**Type of Project: Structural Design**

**Size of Project: \$105,059**

**Specific Project Involvement:** The Ponte Vedra Eco Park has a boardwalk that allows children to view and learn about the life cycle of the aquatic environment. The boardwalk meanders along the edge of the pond while gazebos provide shade in several locations, both over water as well as on land. Mr. Maldonado assisted with the design of the boardwalks and the gazebos and prepared the final structural construction documents.

**Project Name: Navarre Beach Fishing Pier, Navarre Beach, Florida**

**Type of Project: Structural Design and Construction Assistance**

**Size of Project (dollar amount and scope): \$8.4 million**

**Specific Project Involvement:** This project for the County of Santa Rosa, Florida involves design of a new fishing pier that extends over 1,540 feet into the Gulf of Mexico and is currently the longest pier in the Gulf of Mexico. Mr. Maldonado assisted with structural calculations for the design of the pier, prepared all structural and civil drawings for the project for permitting and construction, and assisted with fielding design questions during construction. The project is was completed and opened in June 2010.

**Project Name: Jacksonville Naval Air Station (NAS) C-130 Wash-Rack, Jacksonville, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$600 thousand constructed cost**

**Specific Project Involvement:** The Jackson NAS in Jacksonville, Florida has an expanded role due to the Base Realignment and Closure (BRAC) program. As a result there will be several C-130 aircraft as well as MMA stationed and serviced from this base. One of the maintenance issues for these aircraft is the regular cleaning of the aircraft. This wash rack project provides fall protection to personnel who are cleaning and servicing these aircraft. The wash rack uses a mono-tube design concept for strength, serviceability, ease of fabrication, ease of ownership, expandability and simplicity. Mr. Maldonado prepared the structural construction documents for the wash rack and assisted with preparing structural calculations for the calculations package.

**Project Name: Dog Island Ferry Terminal, Carrabelle, Florida**

**Type of Project: Dock Plans**

**Size of Project (dollar amount and scope): \$316 thousand constructed cost**

**Specific Project Involvement:** This project involves improvements to a ferry terminal on the land side of the Dog Island Ferry. Mr. Maldonado assisted with the design of ferry terminal components and production of final construction drawings.

**Project Name: Crandon Park Marina, Biscayne Bay, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$2 million constructed cost**

**Specific Project Involvement:** This project included environmental and structural issues at the marina. Structural aspects entailed the evaluation and engineering of fender piles, scawall and bulkhead system, pier caps, and marginal docks, as well as new upland tenant spaces. Mr. Maldonado assisted with the analysis and design structures and produced the final structural drawings for the seawalls, marginal docks, and covers.

**Project Name: Patuxent Water Reclamation Facility (WRF) Wastewater Treatment Plant Enhanced Nutrient Removal Filters, Laurel, Maryland**

**Type of Project: Structural Design**

**Size of Project: \$777,544**

**Specific Project Involvement:** This project for Anne Arundel County, Maryland is to add plant upgrades that include six (6) filters to upgrade the existing waste water plant to current denitrification needs as well as plan for future expansion. The structural requirements of the filter involve cast-in-place concrete walls, mat slabs, structural slabs, and roof systems, as well as the filter control room. Additional improvements were designed for the pipe supports for the oxidation ditches. Mr. Maldonado assisted in preparing calculations for structural design, as well as preparing structural construction documents.



# Richard Don Harrell, PE

*Structural Design – Bridge and Transportation Structures*

*Past Job Assignments: Engineer-of-Record, Program Manager*

*Years with PBS&J: 10*

*Years with other Firms: 30*



## Education

A.A., Engineering Technology,  
Tallahassee Community  
College, 1971  
Engineering Science Course,  
Florida State University, 1969

## Registrations/Licenses

Professional Engineer  
Florida, 43973, 1991

## Certifications

FDOT Certified: Public Manager,  
Levels 1, 2, and 4

## Professional Development

Florida Department of  
Transportation  
Certified Public Manager Level 1,  
2, & 4  
Value Engineering Team Leader  
Quality Management  
Load Resistance Factor Design  
Drilled Shaft Foundations  
Presentation Skills  
Writing Skills for Professionals  
Supervisory Training  
New Directions for Post-tensioned  
Bridges  
Rules and Regulations for  
Professional Engineers  
2002 Design Conference

## Professional Affiliations

Florida Engineering Society (FES)  
National Society of Professional  
Engineers (NSPE)

Mr. Harrell, a senior engineer and national transportation structures Tallahassee group manager with PBS&J, has more than 39 years of bridge design experience that began with the Florida Department of Transportation (FDOT). The primary emphasis of his comprehensive experience in major and minor bridge design projects has dealt with cast-in-place, precast, prestressed, and continuous post-tensioned and steel structural systems.

Some of Mr. Harrell's recent PBS&J project experience includes:

**Project Name: I-4/Leroy Selmon Expressway over 22nd Street Deck Replacement and Widening, FDOT, District Seven, Tampa, Florida**

**Type of Project: Transportation bridge widening and rehabilitation.**

**Size of Project (dollar amount and scope): \$500,000,000**

**Specific Project Involvement:** Mr. Harrell served as engineer-of-record and managed structural subconsultants for the design of three bridges on the Leroy Selmon Expressway in Tampa. Bridge deck replacements and widening of these bridges were done with phased construction while maintaining traffic.

**Project Name: I-10 /Leon County, Design Services, FDOT. District Three, Chipley, Florida**

**Type of Project: Transportation, new bridge construction and widening**

**Size of Project (dollar amount and scope): \$50,000,000**

**Specific Project Involvement:** Mr. Harrell's structures staff completed design for three new bridges at the Thomasville Road Interchange and widening of two mainline bridges, and retaining walls for this project.

**Project Name: I-10/I-110/Escambia County, Design Services, FDOT, District Three, Chipley, Florida**

**Type of Project: Transportation, multiple bridges reconstruction**

**Size of Project (dollar amount and scope): \$87,000,000**

**Specific Project Involvement:** Under his leadership as structures program manager, Mr. Harrell's staff completed designs for four bridges, numerous permanent and temporary retaining walls, sound barrier walls, and other miscellaneous sign and signal structures for this project.

**Project Name: SR 12 over Quincy Creek, Design Services, FDOT, District Three, Chipley, Florida**

**Type of Project: Transportation**

**Size of Project (dollar amount and scope): \$315,185 (fee)**

**Specific Project Involvement:** Mr. Harrell's staff completed design and prepared construction plans for a 1,250-foot bridge over the floodplain of Quincy Creek.

**Project Name: US 98 Realignment, Design Services, Opportunity Florida and the St. Joe Company**

**Type of Project: New bridge construction**

**Size of Project (dollar amount and scope): \$12,000,000**

**Specific Project Involvement:** Produced design and plans for the bridge over Chickenhouse Branch (Segment 1), design and plans for top-down construction of the 2,000-foot bridge over Panther Swamp Segment 2, and the bridge over

Richard Don Harrell, PE  
*Structural Design – Bridge and Transportation Structures*

### **Honors and Awards**

American Association of State  
Highway and Transportation  
Officials (AASHTO)  
President's Award  
Hathaway Bridge Design-Build  
Development Team

Cypress Creek (Segment 3). In addition to these bridges, the Tallahassee staff prepared the Good Morning Street bridge over Chickenhouse Branch for The St. Joe Company.

### **Project Name: FDOT, District Three, Chipley, Florida**

#### **Type of Project: All FDOT D-3 structural projects**

#### **Size of Project (dollar amount and scope): Varied based on specific project**

**Specific Project Involvement:** As District Three Structures Design Engineer, Mr. Harrell was responsible for the management and administration of the District's bridge design program for over seven years. He supervised and directed the design of all bridge-replacement projects by in-house staff, and directed and reviewed consultant-produced designs and contract plans to ensure conformance to all applicable codes and guidelines. Mr. Harrell also assisted the District Construction Office during construction of these structures to resolve issues associated with design and any recommended corrective actions. As a member of the Technical Advisory Group, he acted as liaison with the State Structures Design Office on development and institution of guidelines and specifications. In addition, he assisted the Project Management Office with scope development and staff-hour negotiations and served on many value-engineering projects as team leader. Mr. Harrell was heavily involved in the development of the design criteria for major design-build bridge projects worth \$500 million.

### **Project Name: FDOT, State Structures Office, Tallahassee, Florida**

**Specific Project Involvement:** Mr. Harrell also served in the State Structures Design Office in Tallahassee for 23 years as a draftsman and engineer. During his tenure, Mr. Harrell was involved in the design and preparation of contract plans and the review of consultant-produced plans for hundreds of highway bridges.

### **Major Project Involvement: Category 2 Structures Design-Build**

- SR 300 St. George Island Bridge
- SR 8 (I-10) over Blackwater Bridge
- SR 30 (US 98) Hathaway Bridge
- I-10 Over Escambia Bay

### **Consultant Project Review and Construction Assistance**

- SR 292 over Bayou Chico
- SR 20 over Apalachicola River
- SR 10 (US 90) Victory Bridge

### **Major Category 1 Structures**

- SR 10 (U.S. 90) Choctawhatchee River
- SR 2 over Choctawhatchee River
- SR 77 North Bay

### **Engineer-of-Record FDOT Bridge Projects**

- SR 79 over Cypress Creek
- SR 4 over Coldwater Creek
- SR 61 over Munson Slough
- SR 30 over St. Marks River

## Jerry A. O'Steen, PE

Senior Engineer – Bridge and Transportation Structures

Past Job Assignments: Senior Engineer, Design Engineer

Years with PBS&J: 13

Years with other Firms: 30



### Education

A.A., Civil Engineering  
Technology, Central Florida  
Community College, 1967

### Registrations/Licenses

Professional Engineer  
Florida 28466, 1980

Mr. O'Steen, a senior engineer in the central/north Florida transportation design division of PBS&J, has 35 years of bridge design experience. His extensive expertise in major and minor bridge design includes cast-in-place, precast, prestressed, continuous post-tensioned, movable bridges, and steel structures. Mr. O'Steen began his career with the Florida Department of Transportation (FDOT) in 1968 as a survey party chief and then moved to the bridge design office in 1971, where he progressed through the engineering ranks and was registered as a Professional Engineer in 1980. Mr. O'Steen has continued his education in this field with the completion of the following courses: NHI Bridge Engineering Course, Florida Institute of Consulting Engineers (FICE)/FDOT Load and Factor Resistance Design (LRFD) Course, Federal Highway Association (FHWA) Scour Course, and Load Resistance Factor Design.

As the structures design engineer with the FDOT Turnpike District, Mr. O'Steen was responsible for the management and administration of the FDOT, Turnpike District's bridge design program for approximately two and a half years. He directed and reviewed consultant-produced designs and contract plans to ensure conformance to all applicable codes and guidelines. He also assisted the District's construction office during construction of these structures to resolve issues associated with design and recommended corrective actions. Additional responsibilities included acting as liaison with the state structures design office for the development and institution of guidelines and specifications as a member of the technical advisory group, and assisting the project management office with scope development and staff-hour negotiations. Mr. O'Steen served in the FDOT State Structures office in Tallahassee for 27 years as an engineer, during which time he was involved in the design and preparation of contract plans and the review of consultant-produced plans for hundreds of highway bridges.

Mr. O'Steen's recent project experience includes the following:

**Project Name: I-10/I-110 Final Design, FDOT District Three, Chipley, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$8 million**

**Specific Project Involvement:** Mr. O'Steen performed the design calculations and checked the structural drawings for the I-10 Mainline and Ramp B structures over Davis Highway. These 144-foot-long two span structures featured Type III prestressed concrete beams. The center piers utilized 3-foot diameter columns with 18-inch prestressed concrete pile foundations. The abutments were enclosed with MSE retaining walls with extensive additional MSE walls on the project. Phase construction was used that required the use of steel sheet piles with prestressed soil anchors. The LRFD design method was used.

**Project Name: US 90 (SR 10) to SR 12 Project Development & Environmental (PD&E) Study and final design, FDOT District Three, Chipley, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$450,000 (fee)**

**Specific Project Involvement:** Mr. O'Steen performed/checked the design

calculations and checked the structural drawings for the 1,050-foot long structure. The bridge superstructure consisted of 95 feet spans with Type IV prestressed concrete girders. The bridge substructure consisted of reinforced concrete piers with four feet diameter drilled shafts. The LRFD design method was used.

**Project Name: I-10/US 319 Interchange, Tallahassee, FDOT District Three, Chipley, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$4.3 million (fee)**

**Specific Project Involvement:** Mr. O'Steen performed/checked the design calculations and checked the structural drawings for the two mainline and two ramp structures carrying I-10 over Thomasville Road. The bridge superstructure consisted of two 116-foot spans with Type IV prestressed concrete girders. The bridge substructure consisted of reinforced concrete piers with 24-inch concrete pile foundations. Abutments were enclosed with MSE retaining walls with extensive additional MSE walls on the project. The LRFD design method was used.

**Project Name: I-110/Airport Blvd., Pensacola, FDOT District Three, Chipley, Florida**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$1.6 million (fee)**

**Specific Project Involvement:** Mr. O'Steen performed/checked the design calculations and checked the structural drawings for widening the Airport Boulevard bridge over I-110. The bridge superstructure consisted of four 68-foot spans with Type II prestressed concrete girders. The bridge substructure consisted of reinforced concrete piers with 18-inch concrete pile foundations. The LRFD design method was used.

**Project Name: US 98 over Chickenhouse Branch, St. Joe Company**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$1.3 million**

**Specific Project Involvement:** Mr. O'Steen performed/checked the design calculations and checked the structural drawings for the low level structure. The bridge superstructure consisted of a five span continuous flat slab. The bridge substructure consisted of 24-inch pile bents. The bridge included a timber fascia truss of aesthetics. The LRFD design method was used.

**Project Name: Good Morning Street Bridge over Chickenhouse Branch, The St. Joe Company**

**Type of Project: Structural Design**

**Size of Project (dollar amount and scope): \$83,410 (fee)**

**Specific Project Involvement:** Mr. O'Steen performed/checked the design calculations and checked the structural drawings for the low level structure. The bridge superstructure consisted of a five-span continuous flat slab. The bridge substructure consisted of 18-inch pile bents. The abutments were enclosed with a steel sheet pile bulkhead. The bridge was specified for top down construction with a special slab forming system. The bridge included steel trusses mounted on the deck for aesthetics. The LRFD design method was used.

## Donald L. Horton

*Senior CAD Designer – Bridge and Transportation Structures*

*Past Job Assignments: Senior CAD Designer*

*Years with PBS&J: 8*

*Years with other Firms: 10*



### Professional Development

Certificate of Completion,  
Computer Aided Drafting and  
Design (CAD), Okaloosa-  
Walton Community College,  
1993

### Honors and Awards

High Honors Graduate, Okaloosa  
Walton Community College,  
1993

Mr. Horton is a senior CAD designer for PBS&J's north Florida structures program. He has eighteen years of experience in civil engineering drafting for both bridges and roadways, with a strong emphasis on bridges. His responsibilities include development of all phases of conceptual study drawings, preliminary design study drawings, final design drawings and shop drawings. Mr. Horton has experience with various bridge designs ranging from short span beam bridges to long span segmental box girders with post tensioning. He has eighteen years of MicroStation experience and four years of AutoCAD experience. His representative project experience includes:

**Project Name: SR 30 (US 98) New Alignment Bridge over Chicken House Branch Final Design**

**Type of Project: Bridge & Box Culvert**

**Specific Project Involvement:** Mr. Horton prepared plans for a 152-foot flat slab bridge with timber rail aesthetics mounted to the outside of the barriers. Mr. Horton also assisted in preparing plans for a box culvert/ tunnel for maintenance vehicle access.

**Project Name: I-10 at Timberlane School Road, Thomasville Road and Capital Circle Northeast Final Design, FDOT District Three, Chipley, Florida**

**Type of Project: Bridge & Walls**

**Specific Project Involvement:** Mr. Horton assisted in preparing plans for bridges and retaining walls for bridge widening at Timberlane School Road and bridge replacement at Thomasville Road.

**Project Name: SR 269 (Brent Lane)/Airport Boulevard Split Diamond Interchange Improvements, FDOT District Three, Chipley, Florida**

**Type of Project: Bridge, Walls & Box Culvert**

**Specific Project Involvement:** Assisted in preparing plans for bridges and retaining walls for bridge widening at Airport Boulevard over I-110. In addition, Mr. Horton planned for extending an existing quadruple box culvert to accommodate roadway widening.

**Project Name: Alabama Department of Transportation, Mobile River Bridge, Mobile, Alabama**

**Type of Project: Bridge**

**Specific Project Involvement:** Mr. Horton served as a CAD technician responsible for creating 3-D models and renderings of the proposed cable stayed bridge on I-10 to replace an existing tunnel to carry traffic across Mobile River.

**Project Name: Tren Urbano, San Juan, Puerto Rico**

**Type of Project: Elevated Railway**

**Specific Project Involvement:** Served as a CAD technician responsible for the production of both design and shop drawings for various segment types, and 3-D CAD reinforcing and 3-D CAD post-tensioning studies. This was a design-build project for 3.7 km of an elevated light-rail guideway.

Donald L. Horton

Senior CAD Designer – Bridge and Transportation Structures

**Project Name: Bang Na Bang Pli Bang Pakong Expressway, Thailand**

**Type of Project: Elevated Expressway**

**Specific Project Involvement:** Mr. Horton served as a CAD technician responsible for the production of various design and shop drawings.

**Project Name: Florida Department of Transportation, SR 2**

**Choctawhatchee River Bridge, Holmes County, Florida**

**Type of Project: Bridge**

**Specific Project Involvement:** Served as a CAD technician responsible for the production of various structure drawings.

**Project Name: FDOT, SR 44 Withlacoochee River Bridge, Sumter County, Florida**

**Type of Project: Bridge**

**Specific Project Involvement:** Mr. Horton served as a CAD technician responsible for the production of various structure drawings.

**Project Name: FDOT, SR 60 Bridges Over Cow Log And Blanket Bay, Florida**

**Type of Project: Bridge**

**Specific Project Involvement:** Served as a CAD technician responsible for the production of various structure drawings.

**Project Name: FDOT, SR 20 Resurfacing And Bridge Replacements, Florida**

**Type of Project: Resurfacing & Bridges**

**Specific Project Involvement:** Mr. Horton served as a CAD technician responsible for the production of various resurfacing, superstructure and substructure drawings. SR 20 was 20 miles of resurfacing and widening, Polk and Freeman Creek bridges are single span Type IV AASHTO beams supported on 915 mm drilled shaft end bents; spans are 27.50m and 30.60m, respectively.

**Project Name: FDOT, Pensacola Street Resurfacing, Tallahassee, Florida**

**Type of Project: Resurfacing**

**Specific Project Involvement:** Served as a CAD technician responsible for the production of resurfacing, striping, and signalization plans.

**Project Name: FDOT, Mooney Road Sidewalk, Florida**

**Type of Project: Sidewalk**

**Specific Project Involvement:** Mr. Horton served as a CAD technician responsible for the production of sidewalk plans that included installing curbing and drainage along the existing roadway.

# Robert L. Farley, RLA, LEED AP

*Project Manager, Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida  
Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager  
U.S. Green Building Council (USGBC) LEED AP  
ISA Certified Arborist  
GRHC Accredited Green Roof Professional  
FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects  
Florida Native Plant Society  
National Roadside Vegetation Management Association  
Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

**Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

**Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

**Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Ac.**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

**Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Ac.**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Project Manager, Certified Arborist*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005

Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Ac.**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Ac.**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Ac.**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Ac.**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.



# B

# Experience with Projects of a Similar Type and Size

Structural Engineering

## Relevant Project Experience

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 5 years ago.)

- Name and location of the project
- The nature of the firm's responsibility on this project
- Project Owner's representative name, address and phone number
- Project user agency's representative name, address and phone number
- Date project was completed or is anticipated to be completed
- Project manager and other key professionals involved and specify role of each

Dock investigations at Crandon Park Marina revealed serious issues requiring immediate attention, and the seawalls were found to be at the end of their design life, requiring replacement rather than repair.

### **Project 1: Crandon Park Marina Renovation Program, Key Biscayne, Florida**

#### **Nature of Firm's Responsibility**

PBS&J performed seawall investigations and a repair program for Miami-Dade Department of Parks and Recreation's Crandon Park Marina. Existing marine structures were investigated and structural engineering was performed, as were environmental, permitting, and construction administration services. Project components included seawall repairs, wood piling replacement, a new canopy structure, and tenant spaces. Dock investigations revealed serious issues requiring immediate attention, and the seawalls were found to be at the end of their design life, requiring replacement rather than repair.

Located in the most aggressive wind zone in the United States, achieving the architect's intent for a cleanly expressed form—similar to the ribs of a fish—required the canopy to be designed by using hollow structural sections tied to the ground with a grade beam/pile/pile cap system.

#### **Project Owner's Contact Information**

Greg Neville  
Neville/Steffens Architects LLP  
161 Aragon Avenue, Coral Gables, FL 33134  
305.448.5299 ph.

#### **Project Completion Date**

February 2008

#### **Key Personnel Involved and Roles**

- Bill Pitcher – Senior Structural engineer and QA/QC for Design
- Dave Conrad – Lead Structural Engineer
- Desi Maldonado – Structural Designer

## ***Project 2: Dog Island Conservation District Ferry Terminal, Carrabelle, Florida***

### **Nature of Firm's Responsibility**

PBS&J designed, permitted, and provided construction oversight of a ferry terminal with a landing craft ramp to facilitate the transport of goods, residents, and visitors to and from Carrabelle, Florida, and Dog Island, an island in the Gulf of Mexico accessible only by water and air.

Project elements included demolition of derelict structures, dredging, an aggregate landing craft ramp, two vessel berths, general moorage for transient boaters, floating dock, fixed dock, and vegetative plantings for erosion control. Concrete pilings were included to increase the lifespan and ruggedness of the ferry terminal. Landside services included parking improvements and seawall design and installation. This site contributes to the revitalization of the Carrabelle waterfront.

### **Project Owner's Contact Information**

Chris Teaf  
Dog Island Conservation District  
3111-20 Mahan Drive, PMB-124, Tallahassee, FL 32308  
850.681.6894 ph.

### **Project Completion Date**

August 2010

### **Key Personnel Involved and Roles**

- David L. Conrad, PE, Lead Structural Engineer
- Desiderio M. Maldonado, EI, Structural Designer

## ***Project 3: Navarre Fishing Pier Reconstruction, Navarre Beach, Florida***

### **Nature of Firm's Responsibility**

PBS&J completed the design and permitting as well as prepared bid packages for reconstruction of the 1,545-linear-foot Navarre Beach Fishing Pier in Santa Rosa County—the longest pier in the Gulf of Mexico. The pier sustained severe structural damages from Hurricane Ivan in 2004 and Hurricane Dennis in 2005. The new structure will be located approximately 150 feet east of the original pier.

PBS&J tasks included:

- Coastal engineering analyses to estimate wave heights and forces.
- Structural engineering design of the pier and deck structure.
- Geotechnical and survey data collection supervision.
- Obtaining all applicable permits from state, federal, and local agencies.
- Preparing specifications and bid packages.

Key features of the pier include:

- Break-away decking to reduce the effects of wave forces on the pier structure.
- Potable water distribution lines.

*PBS&J completed the design and permitting as well as prepared bid packages for reconstruction of the 1,545-linear-foot Navarre Beach Fishing Pier in Santa Rosa County.*

- Turtle-friendly lighting.
- Top-down construction.

PBS&J facilitated public meetings to obtain input on the project. To date, suggestions from these meetings that have been incorporated into the design include:

- Keeping the space above the railings free for fishing.
- A polygonal terminus to make the pier fishing friendly.

#### **Project Owner's Contact Information**

Roger A. Blaylock, PE, Engineer  
 Santa Rosa County  
 6051 Old Bagdad Hwy., Suite 300, Milton, FL 32583  
 850.936.6110 ph.

#### **Project Completion Date**

June 2010

*The pedestrian bridge at US 19 and Enterprise Road is part of the Pinellas Trail Progress Energy Extension and is an important link to the overall development of the rails-to-trails master plan within Pinellas County.*

#### **Key Personnel Involved and Roles**

- William P. Pitcher, PE, Senior Structural Engineer and QA/QC for Design
- David L. Conrad, PE, Lead Structural Engineer
- Desiderio M. Maldonado, EI, Structural Designer

#### **Project 4: Pedestrian and Bicyclist Bridge at US 19 and Enterprise Road, Clearwater, Florida**

##### **Nature of Firm's Responsibility**

PBS&J, as engineer-of-record for this project, coordinated the 10-year planning effort of Florida Department of Transportation (FDOT) District Seven, Pinellas County, Progress Energy, and the Metropolitan Planning Organization (MPO) to bring this pedestrian and bicyclist bridge over US 19 at Enterprise Road to fruition. This facility, located in Clearwater, Florida, was made possible through the cooperation of Progress Energy by granting an easement allowing construction of the bridge in its right-of-way.

The bridge is part of the Pinellas Trail Progress Energy Extension and is an important link to the overall development of the rails-to-trails master plan within Pinellas County that will connect all existing segments of the Pinellas Trail into one continuous trail loop within the county. PBS&J's services included preparation of the Bridge Development Report (BDR), preparation of final construction documents, and post-design construction phase services.

#### **Project Owner's Contact Information**

Amy Nedringhaus, PE, Project Manager  
 Florida Department of Transportation District Seven  
 813.975.6169 ph.

#### **Project Completion Date**

Fall 2009

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**Key Personnel Involved and Roles**

- Don Harrell, PE, Project Manager
- Jerry A. O'Steen, PE, Lead Engineer
- Donald L. Horton, Structural Designer

***Project 5: I-10 Leon County Multi-Lane and Bridge Reconstruction Tallahassee, Florida*****Nature of Firm's Responsibility**

PBS&J's services included the preparation of the Bridge Development Report (BDR), the preparation of final construction documents, and post-design construction phase services. Lanes were added, ramps were lengthened and existing roadway surfaces were repaved. Bridges were replaced on I-10 over Thomasville Road. Bridges were widened over Timberlane Road and Capital Circle over I-10. Many Retaining walls were designed for fill retention and phased construction.

**Project Owner's Contact Information**

Scott Golden PE, Design Engineer  
Florida Department of Transportation, District Three  
850.415.9492 ph.

**Project Completion Date**

Fall 2009

**Key Personnel Involved and Roles**

- Don Harrell, PE, Project Manager
- Jerry A. O'Steen, PE, Lead Engineer
- Donald L. Horton, Structural Designer

***Project 6: NAS Jacksonville C-130 Wash Rack Personnel Safety Support Expansion, Jacksonville, Florida*****Nature of Firm's Responsibility**

Naval Air Station (NAS) Jacksonville, Florida, added the C-130 as the home base for this squadron of aircraft in 2009, which would become the largest aircraft housed at the base. While washing the exterior of all aircraft is regular maintenance at the base, the C-130 was much larger than the current wash racks were configured to handle. PBS&J was contracted to design a wash rack that could be constructed quickly and thoroughly to safely accommodate the soon-to-arrive fleet of C-130s, as well as any other smaller aircraft.

PBS&J performed a study of all aircraft that could use the wash rack and the existing conditions of the proposed site, then prepared a full design for a new wash rack, with construction documents and full calculations report. The new design utilized a steel monotube design rather than a traditional truss design. This design significantly reduced the fabrication and construction time of the wash rack, while keeping the costs down as compared to the more traditional design of the previous wash racks.

**Project Owner's Contact Information**

N.M. Bloomer, Civil Engineer/Construction Manager  
 FEAD NAS Jacksonville, FL  
 NAVFAC Southeast  
 904.542.1815 ph.

**Project Completion Date**

May 2010

**Key Personnel Involved and Roles**

- William P. Pitcher, PE, Senior Structural engineer and QA/QC for Design
- David L. Conrad, PE, Lead Structural Engineer
- Desiderio M. Maldonado, EI, Structural Designer

**Project 7: Miccosukee Park Community Center Score Board, Leon County, Florida**

*PBS&J investigated the existing conditions of the Miccosukee Park site, designed the foundations, generated construction documents, and prepared a calculations package for permitting the foundation.*

**Nature of Firm's Responsibility**

PBS&J was contracted by Leon County Parks and Recreation Department to design the foundation for a new scoreboard for the Miccosukee Park Community Center baseball field. The park had undergone modifications to the baseball field, including installing a series of drainage structures in the outfield near where the proposed scoreboard was to be installed. The County had purchased the scoreboard's necessary construction documents and specifications and needed a contractor to install the foundation and sign. PBS&J investigated the existing conditions of the park site, designed the foundations, generated construction documents, and prepared a calculations package for permitting the foundation. The County also requested a site inspection during construction to ensure the foundations were built correctly. The foundations were also value engineered, which saved the County enough to offset the cost of consultant fees for generating the full design and construction documents.

**Project Owner's Contact Information**

Pat Plocek, Director  
 Leon County Public Works, Parks and Recreation Department  
 2280 Miccosukee Road, Tallahassee, FL 32308  
 850.606.1475

**Project Completion Date**

May 2011

**Key Personnel Involved and Roles**

- David L. Conrad, PE, Lead Structural Engineer
- Desiderio M. Maldonado, EI, Structural Designer

## ***Project 8: TP Smith Prestressed Tank Demolition Technical Assistance, Tallahassee, Florida***

### **Nature of Firm's Responsibility**

The City of Tallahassee Water Utility was looking to demolish a retired aerobic digester tank at the Thomas P. Smith Wastewater Treatment Plant as part of its ongoing renovations to the plant. City Water Utility staff needed to demolish the tank while not damaging any of the surrounding piping or utilities that would remain in place. The digester tank was a pre-stressed tank designed in the 1970s, and City staff was concerned that there could potentially be a safety risk if the tank was not properly demolished.

PBS&J was contracted to review the existing structural record drawings for the tank, inspect the tank, provide a memorandum to the City on the procedure to properly demolish the pre-stressed tank, and provide on-site monitoring during demolition to oversee that it was done correctly. The tank demolition went according to plan and was completed in less time than originally expected, saving the City in machine rental and labor costs.

*The T.P. Smith digester tank was a pre-stressed tank designed in the 1970s, and City staff was concerned that there could potentially be a safety risk if the tank were not properly demolished.*

### **Project Owner's Contact Information**

Nico Lauw  
City of Tallahassee  
3805-B Springhill Road, Tallahassee, FL 32305  
850.891.1043 ph.

### **Project Completion Date**

September 2010

### **Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Project Manager
- David L. Conrad, PE, Lead Structural Engineer
- Desiderio M. Maldonado, EI, Structural Designer

## ***Project 9: Tyndall Air Force Base (AFB) Fitness Center***

### **Nature of Firm's Responsibility**

PBS&J provided full architectural services for this high-profile development that underscores the Air Force's commitment to successful use of energy-efficient and sustainable design. Work involved coordination with Tyndall AFB and USACE Mobile District for design of a new 71,336-square-foot fitness center. To resolve siting and funding issues, PBS&J refined the existing DD Form 1391 to accurately meet requirements; implemented innovative, sustainable, and cost-saving design approaches; and recommended the construction of a new two-story, 71,336-square-foot fitness center, with a considerably smaller footprint and a construction cost not to exceed \$19 million. This alternative layout maximized square footage within the established budget and enabled a more logical building orientation on the site. Initially, the project was contracted to be designed to meet Leadership in Energy and Environmental Design (LEED) Silver certification. As work progressed, PBS&J was able to design 10 Platinum standards with no impact to the project's cost.

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PBS&J's approach immediately resolved all site and funding issues while providing a more efficient building layout. Our team's final design exceeded the client's requirements by achieving LEED Platinum certification, and the entire project was awarded for \$3 million less than the originally budgeted amount.

**Project Owner's Contact Information**

Ken Love  
U.S. Army Corps of Engineers (USACE) Mobile District  
P.O. Box 2288  
Mobile, AL 36628  
210.652.8223 ph.

**Project Completion Date**

May 2010

**Key Personnel Involved and Roles**

Jonathan S. Kreiner, Ph.D., PE, LEED AP—Assisted architectural and structural design groups; performed QA/QC reviews

***Project 10: I-4/ Leroy Selmon Expressway: 22nd Street Bridge Reconstruction, Tampa, Florida*****Nature of Firm's Responsibility**

This project for FDOT District Seven included new roadways, ramps, and bridges required to connect Leroy Selmon Expressway to Interstate 4 in Tampa, Florida. The project included new PBS&J bridge designs, deck replacements, walls, signs, signalization, and lighting. PBS&J was responsible for managing and coordinating other bridge design sub-consultants for various bridge designs in the project.

**Project Owner's Contact Information**

Scott Arnold, PE, Structures Design Engineer  
Florida Department of Transportation District 7  
11201 North McKinley Drive  
Tampa, FL 33612  
813.975.6136 ph.

**Project Completion Date**

Under construction

**Key Personnel Involved and Roles**

- Don Harrell, Chief Engineer, Engineer of Record
- Jerry O'Steen, Lead Engineer
- Don Horton, Structural Designer

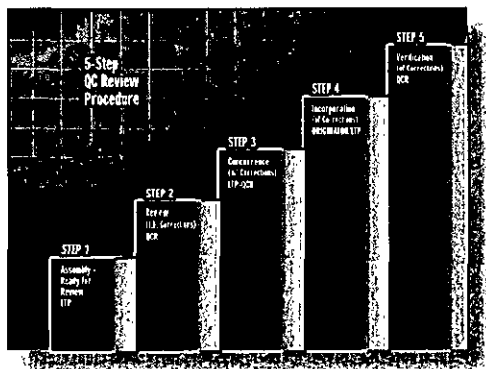
***Current Relevant Projects***

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

Please refer to the projects listed in Part B of this proposal, Experience with Projects of Similar Type and Size.

## Quality Assurance Process and Procedures

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.



To ensure product quality, PBS&J implements a "5-Step Quality Control" process for each project. This is a process whereby an equally qualified technical professional that is not involved in the project provides a peer review of the deliverable work product. This helps eliminate errors and omissions and also helps reduce construction costs by reducing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is our commitment to the concept of total quality management and a commitment by all employees to work to meet the needs of all clients. Additionally, we ask that our subconsultants also

implement a peer review of their work. Your project director, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated that this strategy works and we intend to continue this approach in the future. However, we are also receptive to new ideas, and we look forward to answering any questions you may have or suggestions you may offer to further improve this strategy to best serve your needs. We understand that there is always room to improve and we are open to your suggestions.

## Basic and Special Resources

5. 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.

PBS&J has a suite of structural engineering resources available locally and nationally. The commonly used programs we access daily include:

- AutoCad
- STAAD
- PCA Wall
- PCA MATS
- Excel
- SPW911
- CWALSHT

Numerous other programs are available through our national offices. The most common of these programs include:

- REVIT
- Risa3D



- DS Anchor
- NavisWorks
- PCA BEAM/COL

PBS&J also has specialty resources available such as high-density scanning tools to create detailed as-built CAD models as well as LiDAR and GIS tools.

PBS&J's network and associated equipment are strengths of our team and proposal. The PBS&J network provides nationwide connectivity via our dedicated virtual private network (VPN) connections to all of our offices, which offers our clients a pool of resources—regardless of location.

PBS&J employees and vendors are equipped with remote VPN access to allow for productivity beyond the confines of our traditional office hours and walls to support of any of our products. PBS&J uses innovative technology to secure the networked environment including firewalls, virus scanning, IP-based encryption, communication filtering for spam, and content filtering of illegitimate websites in an effort to maximize productivity and minimize the possibility of data loss.

*PBS&J maintains a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients.*

PBS&J is aware that accidents and disasters happen, and we maintain a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients. We employ companies, such as Iron Mountain and AT&T, as redundant data centers and for records and data retention. All levels of management are involved in the recovery process, and the recovery design is reviewed twice a year.

PBS&J also operates and maintains complete hardware and software technology in support of our database and GIS solutions. These resources include AutoCAD Civil 3D, MicroStation, and a full array of ARC/INFO products and compatible hardware. Our staff includes ESRI-certified instructors, Avenue and Visual Basic programmers, hardware and network installation specialists, and analysts familiar with engineering problems and procedures.

PBS&J also provides web development and web hosting services to our clients, including development of basic websites, web-based database sites, map-based sites, and project-specific sites.

PBS&J's team will not require facilities beyond our existing and continually updated systems and software products. A description of our system components follows.

#### Software Capabilities:

- Microsoft Office 2007
- AutoDesk AutoCAD and Civil 3D 2011
- Microstation 8 and VM (Geopak 2008)
- ERSI ArcView 9.3 and 10.0
- Seagate Crystal reports, version 5
- Modeling software (SWMM, HEC, Cybernet, XP-SWMM, H2ONet version 3.0, WaterCad version 3.0, StormCAD version 3.0, InfoWater)
- Microsoft Internet Explorer 8
- Adobe Suite CS4
- Adobe Acrobat 7.0 Standard and Professional 8.0, 9.0, and 10.0



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.

# D

## Effect of Firm's Recent, Current and Projected Workload

*Structural Engineering*

### **Current Projects and Completion Dates**

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

Projects were listed in Part B of this proposal, Experience With Projects of Similar Type and Size.

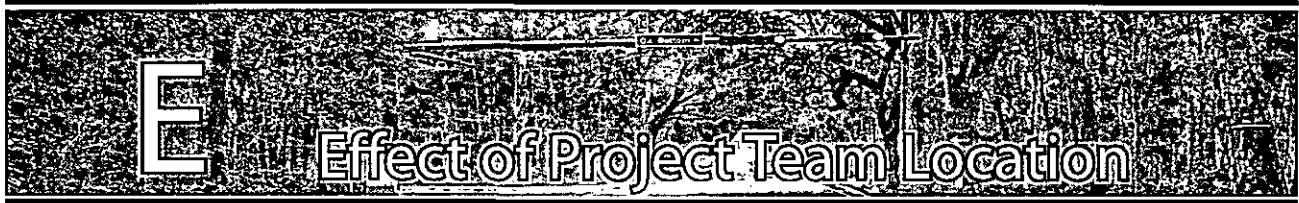
### **Ability to Absorb Leon County Projects**

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

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee office has more than 130 employees representing every service provided by PBS&J.*

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. PBS&J will be fully available and accessible to meet the needs of the County.



*Structural Engineering*

## **Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### ***Community Involvement***

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.

# F

## Approach to the Project

Structural Engineering

### Approach to Accepting and Completing Projects

*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.*

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

#### **Step 1: Kickoff Meeting**

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

#### **Step 2: Detail Scope and Fee**

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

*By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.*

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.

## ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

*Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director.*

### ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

### ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

### ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.



Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

*The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs.*

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

### ***Peer Review/Quality Assurance Plan***

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.



*Environmental Support Services*

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff Assigned	# of Staff Resources Available
Environmental Support Services	9	14	63

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.*

*Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Environmental Support Services									
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Water Quality Monitoring	Environmental Assessments	Remedial Action Plans	Archeological Assessments	Hazardous Materials issues	Landfill Monitoring
Michael A. Scibelli, PE	Client Service Manager	Tallahassee, FL	14 (14)						
Robert D. Woithe, Ph.D., PWS, CSE	Quality Assurance/Quality Control	Tampa, FL	12 (8)	■	■				
Scott A. Zengel, Ph.D., PWS	Project Manager	Tallahassee, FL	8 (9)	■	■				
Rebecca Berzinis	Water Quality Monitoring	Tallahassee, FL	4 (9)	■	■				
Cheryl Propst, MS, CE	Data Analysis & Management	Jacksonville, FL	7 (0)	■					
Thomas L. Singleton	TMDLs, Policy Watershed Management	Tallahassee, FL	3 (31)	■					
David Tomasko, Ph.D.	Sampling Program, Watershed Management	Tampa, FL	5 (23)	■					
Craig Hedman, Ph.D.	Ecological Svcs, Environmental Assess., Permitting	Tallahassee, FL	2 (22)		■				
Austin D. Carroll	Wildlife Assess. & Permitting	Tallahassee, FL	3 (8)		■				
Harold Fravel	Wildlife Assess., Plant Surv., Wetlands, Local Permitting	Tallahassee, FL	5 (2)	■	■				
Lawrence V. Olney	Wildlife Assess., Plant Surv., Wetlands, Local Permitting	Tallahassee, FL	9 (15)		■				
Frank J. Keel	Archaeology	Tallahassee, FL	11 (5)				■		
David E. Deans, PE, BCEE	Landfill Monitoring & Hazardous Materials	Orlando, FL	30 (4)			■		■	■
Robert L. Farley, RLA, LEED AP	Certified Arborist	Tallahassee, FL	7 (27)		■				

## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter > Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009



**EGS**  
 104 North  
 Magnolia Drive,  
 Tallahassee,  
 FL 32301  
 ph. 850.386.1253  
 fax 850.385.8050

*City of Tallahassee  
 and Leon County  
 Consortium Interlocal  
 Agreement Minority/  
 Women-Owned  
 Business Enterprise*

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

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 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.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road drainage and roadway improvements
- Sunflower Road drainage and roadway improvements
- Emergency Access roadway from Fairbanks Ferry Court to Rivers Edge Road
- Bannerman Road/Bull Headley Road intersection improvements
- Meridian Road/Bannerman Road intersection improvements
- Meridian Road/Ox Bottom Road intersection improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive drainage and roadway improvements
- Cloudland Drive slope repair
- Lauder Pond Outfall pipe investigation
- Lauder Pond karst investigation
- Lake Munson sediment investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard drainage improvement
- Lonnbladh Road roadway and drainage improvements
- FAMU roadway design
- Killearn Acres Middle Basin drainage improvements
- Southbrook Unit I drainage improvements

**FELSI Florida Environmental and Land Services, Inc. (FELSI) (WBE)**  
 221-4 Delta Court  
 Tallahassee, FL  
 32303  
 ph. 850.385.6255  
 fax: 850.385.6355

*Certified Women  
 Business Enterprise  
 (WBE) state and  
 local certifications  
 throughout Florida*

Established in 2001, FELSI specializes in providing professional environmental consulting and project management services to federal, state, local, and municipal governmental agencies and private landowners and corporations in north and north-central Florida and the Florida panhandle.

FELSI technical staff is formally educated in the areas of botany, environmental health, biology, chemistry, environmental biology and geology and have been formerly employed by seven state agencies and other private engineering and consulting firms. FELSI GIS staff specializes in creating state-of-the-art, GIS-based resource maps and providing GIS services for use by the public and private sectors to assist in making environmental permitting, monitoring, and management-related decisions. The firm offers complete environmental services from pre-planning through permitting and post construction. Specific areas of expertise offered by the firm include the following:

- Environmental resource permitting
- Wetland delineation
- Environmental survey reports
- County natural features inventory
- Land use and zoning amendments/subdivisions
- Phase I environmental site assessments
- Listed species surveys
- GIS/CAD/GPS services
- Water quality sampling

### **HSA Consulting Group, Inc. (HSA) – Survey**

HSA is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional, and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida, our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.



**HSA Consulting Group**

**HSA**  
 1648 Metropolitan  
 Circle, Suite A,  
 Tallahassee, FL  
 32308  
 ph. 850.309.7510  
 fax: 850.309.0246

*Certified Minority  
 Business Enterprise  
 (MBE) with the State  
 of Florida Department  
 of Management  
 Services Office  
 of Supplier  
 Diversity; certified  
 Disadvantaged  
 Business Enterprise  
 (DBE) with the  
 Florida Department  
 of Transportation  
 (Work Group 9.1);  
 MBE/WBE state and  
 local certifications  
 throughout Florida*

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation, and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions. Specific areas of expertise offered by the firm include the following:

- Conventional surveying, GPS, and aerial survey and mapping
- Transportation planning and traffic analysis
- Large-Scale traffic data collection programs
- Traffic forecasting and modeling
- Roadway characteristics inventory
- Local government comprehensive planning
- Traffic operations studies
- Traffic engineering analysis and signalization design
- GIS/spatial data services

HSA is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation (FDOT). We are a certified disadvantaged business enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### **HSA Local Experience**

- Eastern Tallahassee 115kV underground transmission line project—1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-Phase 3—topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project—control and process all rail Imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project





*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

## ***Nodarse & Associates, Inc. (N&A) – Geotechnical***

Since its establishment more than 20 years ago, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers, and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA), and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa, and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified minority business enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified disadvantaged business enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. The firm is ranked among *Engineering News Record's* Top 500 design firms in the nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection, and/or environmental site assessments throughout North Florida. N&A has rendered services for most of these projects through continuing services contracts. The firm has earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. N&A has extensive expertise providing consulting for public sector entities under a continuing services contract.

Public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties, and other governmental entities. The following projects depict the largest continuing contracts with public sector entities in North Florida:

- Leon County, civil engineering services (geotechnical, materials testing and environmental) continuing contract
- City of Tallahassee, geotechnical and construction materials testing continuing contract
- Alachua County, annual professional geotechnical engineering and testing services continuing contract
- St. Johns County, geotechnical services continuing contract
- Florida Department of Transportation (FDOT) District 2, district wide geotechnical and materials testing
- FDOT District 2, materials testing



Salter>Mitchell  
117 South  
Gadsden Street  
Tallahassee,  
Florida 32301  
Ph. 850.681.3200  
fax 850.681.7200

### **Salter > Mitchell, Inc. – Public Relations**

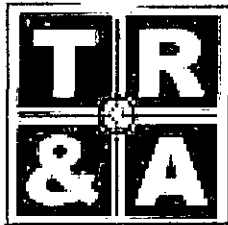
Salter > Mitchell is a public affairs, advertising, and social marketing firm with offices in Tallahassee, Orlando, and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits, and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

The firm strives to build support and minimize opposition for important policies and programs. Its network of contacts has been built over decades of experience.

#### **Salter > Mitchell Local Experience**

- Killearn Lakes sanitary sewer project for Leon County/PBS&J
- Leon County charter amendment for Leon County
- Destin Water Users, Inc., community relations



TR&A  
125 Sheldon Street  
P.O. Box 100  
Sopchoppy, FL  
32358-0100  
ph. 850.962.2538  
fax 850.962.1103

### **Thurman Roddenberry and Associates, Inc. (TR&A) – Survey**

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.

#### **TR&A Local Experience**

- "M" Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.



*Water & Air*  
6821 Southwest  
Archer Road  
Gainesville, FL  
32608-4748  
ph. 352.372.1500  
fax 352.378.1500

### ***Water & Air Research, Inc (Water & Air)– Environmental***

Established in response to the inception of the National Environmental Policy Act (NEPA), Water & Air was incorporated in 1970 as one of the nation's first multidisciplinary environmental consulting firms. The firm provides consulting services in the areas of environmental, management of resources, and *management of hazardous and toxic materials, providing them with quality information on which to base environmental decisions.* Water & Air offers expertise in the following areas:

- Air and noise
- Assessment, remediation, and monitoring
- Biology and ecology
- Landfill/solid waste compliance monitoring
- Planning
- Water quality
- Water resources engineering
- Water supply permitting, development, and monitoring

# Environmental Support Services



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Robert D. Woithe, Ph.D., PWS, CSE**  
QA/QC  
Tampa

**Scott A. Zengel, Ph.D., PWS**  
Project Manager  
Tallahassee

**Rebecca W. Berzinis, Team Leader**  
Water Quality Monitoring  
Tallahassee

**Cheryl Propst, MS, CE**  
Data Analysis and Management  
Jacksonville

**Thomas L. Singleton**  
TMDLs, Policy  
Watershed Management  
Tallahassee

**David A. Tomasko, Ph.D.**  
Sampling Program, Watershed  
Management  
Tampa

**Craig W. Hedman, Ph.D., Team Leader**  
Ecological Services, Environmental  
Assessments, Permitting  
Tallahassee

**Austin D. Carroll**  
Wildlife Assessments (Gopher  
tortoise) and Permitting  
Tallahassee

**Harold Fravel**  
**Lawrence V. Olney**  
Wildlife Assessments, Plant Surveys,  
Wetlands; Local Permitting  
Tallahassee

**Frank J. Keel, Team Leader**  
Archaeology  
Tallahassee

**David E. Deans, PE, BCEE,**  
**Team Leader**  
Landfill Monitoring and  
Hazardous Materials  
Orlando

**Robert L. Farley, RLA, LEED AP**  
Certified Arborist  
Tallahassee

# Michael A. Scibelli, PE

*Client Service Manager, Project Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall Client Service Manager for every civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the Primary Client Service Manager for Leon County and he has served as the Project Manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for several years and he is committed to continuing to be Leon County's Client Service manager and a Project Manager for Leon County to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA big bend chapter as Projects of the Year. One such project was the Killearn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1300 residents of Killearn Lakes Plantation Units 1 & 2. The neighborhood had experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5% of the County's original budget estimate. During the entire project, only one tree was removed after over 100,000 feet of sewer pipe had been installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the City limits. This project was permitted and built and the final cost was approximately 20% below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association  
Water Environment Federation (WEF)  
Society of American Military Engineers (SAME)

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the past 10 years**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

#### **Recent Leon County Projects:**

##### **Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

##### **Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

##### **Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

##### **Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killearn Lakes Sidewalks Design, Permitting & Construction Administration.

##### **Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

##### **Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

##### **Utility Engineering**

- Project manager for Killearn Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# Scott A. Zengel, Ph.D., PWS

**Environmental Support Services Project Manager**

**Past Job Assignments:** Project Director, Project Manager, QA/QC, Senior Scientist

**Years with PBS&J: 8**

**Years with other Firms: 9**



Dr. Zengel is a senior environmental scientist and ecologist with 17 years of professional experience. His qualifications include certification as a Professional Wetland Scientist (PWS). His experience includes a wide variety of environmental services support to local governments, including project management, water quality and ecological monitoring, environmental assessments, remedial action plans and habitat restoration, coordination of cultural resource assessments, hazardous materials assessments, wetlands delineation and functional assessment, endangered species and wildlife evaluations, natural resources mapping and GIS, public involvement support, and all aspects of local, state, and federal permitting and mitigation. His prior work for Leon County has included water quality and biological monitoring; natural features inventories and environmental impact assessments; oversight of NEPA environmental assessments; wetlands identification; endangered species surveys; and regulatory support.

## Education

Ph.D., Wildlife and Fisheries  
Biology, Clemson University,  
2008

M.S., Environmental Engineering  
Sciences (Ecology), University  
of Florida, 1993

B.S., Zoology with High Honors,  
University of Florida, 1991

## Certifications

Professional Wetland Scientist  
(PWS)

Qualified Mitigation Supervisor  
(QMS)

## Professional Affiliations

Society of Wetland Scientists  
Society for Ecological Restoration  
Association of Environmental  
Professionals  
The Wildlife Society  
American Fisheries Society

Representative projects are outlined below.

### Leon County Water Quality and Biological Monitoring Program.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$1.3 million. PBS&J provided direct support to Leon County by monitoring, sampling, and analyzing its water bodies with an overall goal of gathering scientifically defensible information on the physical, chemical, and biological conditions of surface waters in the county, including water quality status and trends.

**Specific Involvement:** Dr. Zengel was the project director for the Leon County Water Quality and Biological Monitoring Program for over three years, overseeing all aspects of the project for the PBS&J-led team, including monitoring of water quality, sediments, aquatic vegetation, and aquatic macroinvertebrates; Stream Condition Index (SCI) assessments; data management, analyses, and reporting; coordination with the County's Water Quality Scientist; and other related support. Sampling included 80+ monthly and/or quarterly monitoring stations across numerous streams and lakes throughout the County. This long-term program monitors water bodies for compliance with state water quality criteria and contributes data to the state Total Maximum Daily Load (TMDL) program. Additional work under the prior continuing supply contract included hydrologic monitoring, natural features inventories, environmental impact analyses, threatened and endangered species surveys, and other environmental studies.

### Northwest Florida Beaches International Airport Environmental Studies, Ecosystem Management Agreement (EMA) and Section 404 Permitting and Mitigation.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$5 million. PBS&J coordinated the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Specific Involvement:** Dr. Zengel was the lead ecologist and wetland scientist



**Scott A. Zengel, Ph.D., PWS**  
*Environmental Support Services Project Manager*

for this project, which included the following tasks conducted for the 4,000-acre airport-industrial site and the associated 10,000-acre mitigation area: rare, threatened, and endangered species surveys and permitting; vegetation and ecological habitat mapping and classification; wetland and stream mapping and functional assessments; water quality, sediment, aquatic invertebrate, and SCI monitoring; USACE Section 404 permitting; development of a state Ecosystem Management Agreement (EMA); and mitigation planning, design, implementation, and monitoring.

**Deepwater Horizon (MS Canyon 252) Oil Spill, Scientific Support to Local Governments (Florida).**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$908,500. Environmental sciences, engineering, program management, and public involvement support for emergency spill response planning, protection, sampling, assessment, and response activities for local governments affected or potentially affected by the Deepwater Horizon Oil Spill. Support was primarily provided to Escambia, County Florida.

**Specific Involvement:** Dr. Zengel has provided the following scientific support to local governmental agencies in response to this incident: serving as a technical sciences advisor; preparing briefings for decision-makers; preparing presentations for special commission meetings and the public; evaluating and contributing to response plan development; identifying and describing shoreline habitat types and their sensitivity to oil spills; advising agency staff on endangered species issues related to the spill; providing guidance on shoreline access and staging area locations and avoidance of sensitive areas; evaluating alternative spill response strategies; advising against inappropriate response strategies that could cause additional harm; reviewing and commenting on response plans from the Unified Command; conducting pre-impact baseline sampling/documentation (sediments, water, shellfish tissues, intertidal benthic sampling, rapid benthic assessments, and shoreline assessment surveys); training agency staff in shoreline assessments, oil spill response considerations, and baseline sampling; compiling and distributing source materials, manuals, and job aids for oil spill planning, response, and damage assessment; advising agency staff on appropriate protocols and methods (for consistency with federal and state trustees); assisting in coordination with the state agencies regarding sampling stations and methods; and assisting with public involvement.

**Title: Perdido Key Programmatic Habitat Conservation Plan (HCP) and Environmental Assessment (EA) for Escambia, County, Florida.**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$440,570. Development of a Programmatic HCP/EA for future growth management and development authorizations conducted by Escambia County on Perdido Key.

**Specific Involvement:** Dr. Zengel served as a principal reviewer and QA/QC officer for the development of this programmatic HCP/EA, addressing the conservation of the federally endangered Perdido Key beach mouse, critical habitat, and several other endangered species. The HCP/EA is being developed to address future anticipated land use, growth management, and development authorizations to be conducted by Escambia County in areas involving federally listed species on the island.

# Rebecca W. Berzinis

**Water Quality Monitoring Team Leader**

**Past Job Assignments:** Project Manager, QA/QC, Senior Scientist

**Years with PBS&J: 4**

**Years with other Firms: 9**



Ms. Berzinis is an ecologist and environmental scientist with more than ten years experience including natural and water resources management, wetland science, ecological monitoring, and hydrology. Her past experience has given her a working knowledge of silvicultural and other land management practices, monitoring techniques, environmental management systems, and regulatory compliance. Prior to joining PBS&J, Ms. Berzinis held several technical positions with International Paper (IP). The focus of her work included ecological study design and monitoring, land management planning and assessment, GIS analysis, environmental management, regulatory compliance, and regulatory agency and stakeholder communications. She also assisted with initiating and managing the multi-partner Dry Creek Long-term Watershed Study, an ecological monitoring project that evaluated the performance of Georgia's forestry BMPs. She led the stream assessment portion of this study, which involved stream habitat assessments as well as bioassessment with benthic macroinvertebrates. Additionally she assisted in study installation, data collection, analysis, and reporting for a multi-state stream assessment study in forested watersheds.

## Education

M.S., Environmental Engineering,  
University of Florida, 2005

B.S., Biological Sciences, Clemson  
University, 1997

## Certifications

Florida Department of  
Environmental Protection  
Stream Condition Index (SCI)  
Certified

Qualified Mitigation Supervisor  
(QMS)

Basic Boating Safety Certification

## Professional Memberships

Society of Wetland Scientists  
North American Benthological  
Society

Florida Association of  
Environmental Professionals  
Florida Forestry Association

## Leon County Water Quality Monitoring Services, Leon County, Florida.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$1.3 million. This multi-year project for Leon County involves a study to monitor, sample, and analyze its water bodies with an overall goal of gathering scientifically defensible information on the physical, chemical, and biological conditions of surface waters in the county, including water quality status and trends. Tasks accomplished as part of the study include identifying water bodies that exceed Florida Department of Environmental Protection (FDEP) water quality standards, assessing water quality status in Leon County, describing present conditions and trends in water quality, developing a Leon County water quality database, contributing data to the FDEP and the U.S. Environmental Protection Agency (USEPA) data storage and retrieval (STORET) programs, and contributing data to the total maximum daily load (TMDL) program.

**Specific Involvement:** Ms. Berzinis provided quality assurance/quality control oversight on this project as well as assistance with stream condition index taxonomy.

## Northwest Florida Beaches International Airport Water Quality Monitoring Program, Permitting, and Mitigation Services.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$51 million. PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Specific Involvement:** Ms. Berzinis assisted with USACE individual Section 404 dredge and fill permitting. She also assisted with the water quality, sediment chemistry, and biological monitoring project as well as implementing other permit condition requirements. She is also co-leading leading mitigation

**Rebecca W. Berzinis**  
Water Quality Monitoring Team Leader

plan implementation, qualified mitigation supervisor (QMS) responsibilities, monitoring, and reporting requirements for the ~10,000 acre mitigation area. She is assisting the Airport Authority in mitigation implementation planning and associated bid document preparation for site preparation, prescribed burning, hydrologic restoration, vegetation planting, invasive/exotic species management. She is also coordinating hydrologic monitoring of the site.

**St. Joe Company Mitigation Management and Monitoring**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$750,000. Compliance support regarding water quality and mitigation monitoring.

**Specific Involvement:** Ms. Berzinis coordinates with St. Joe Ecological Services staff and Project Managers to meet mitigation and overall project objectives while maintaining permit compliance. She provides QMS and mitigation monitoring services for St. Joe Company projects (SummerCamp, WindMark, Sacred Heart). She also collects wetland monitoring data and analyzes data for other aspects of the development such as Consumptive Use Permit monitoring. Reporting tasks such as annual mitigation monitoring and progress reports are also under her purview.

Before joining PBS&J, Ms. Berzinis' work experience with other companies included:

Prior to joining PBS&J, Mrs. Berzinis held several technical positions with International Paper (IP). The focus of her work included ecological study design and monitoring, land management planning and assessment, GIS analysis, environmental management, regulatory compliance, and regulatory agency and stakeholder communications. She also assisted with initiating and managing the multi-partner Dry Creek Long-term Watershed Study, an ecological monitoring project that evaluated the performance of Georgia's forestry best management practices. She led the stream assessment portion of this study, which involved stream habitat assessments as well as bioassessment with benthic macroinvertebrates. Additionally she assisted in study installation, data collection, analysis, and reporting for a multi-state stream assessment study in forested watersheds.

**Selected Publications**

Griswold, M.W., R.W. Berzinis, T.L. Crisman, and S.W. Golladay. Impacts of climatic stability on the structural and functional aspects of macroinvertebrate communities after severe drought. Accepted on June 16, 2008 by *Freshwater Biology*.

Winn, R.T. Aquatic macroinvertebrate assemblages in Southwest Georgia headwater streams. M.S. Thesis. 2005. University of Florida, Gainesville.

Winn, R.T., T.L. Crisman, and S.W. Golladay. Comparison of Bioassessment Methods of Ecological Condition Using Aquatic Macroinvertebrate Assemblages in Southwest Georgia Headwater Streams. Kathryn J. Hatcher, editor, Institute of Ecology. Proceedings of the 2005 Georgia Water Resources Conference, April 25-27, 2005. The University of Georgia. Athens, GA.

# Cheryl Wapnick Propst, MS, CE

*Data Analyst*

**Past Job Assignments:** Project Manager, QA/QC, Senior Scientist, Data Analyst

**Years with PBS&J: 7.5**

**Years with other Firms: 0**



## Education

M.S., Marine Sciences, University of South Alabama, 2003

B.S., Biology and Environmental Science, Tufts University, 1997

## Certifications

Certified Ecologist, Ecological Society of America

Ms. Propst has ten years of environmental sciences background. She has been responsible for leading efforts and facilitating participation of multiple agencies and private parties for a variety of projects focusing on surface water protection and regulation. Several of these projects have recently involved the identification of fecal pollution sources, including the use of microbial source tracking (MST), and implementation of Total Maximum Daily Loads (TMDLs) through Basin Management Action Plans (BMAPs) for tributaries throughout Florida. Ms. Propst is classically trained as a coral reef ecologist and has extensive experience in coral reef and seagrass restoration and monitoring throughout Florida and the Caribbean.

Ms. Propst's project experience at PBS&J includes:

### **Peace Creek Watershed Sustainable Water Resources Management Plan Development Services, City of Winter Haven, FL.**

**Type of Project:** Watershed management plan

**Size of Project (dollar amount and scope):** \$85,344. Interconnected network of lakes, canals, wetlands, aquifers, open spaces, and parks, designed to meet the long-term water resource needs of the community, including supply (water quantity), treatment (water quality), flood protection, and the preservation of natural resources. Adopted by the City in December 2010. \$85,344

**Specific Involvement:** Project manager, including significant stakeholder facilitation.

### **Assessment for Identification of Fecal Coliform Sources in the Lower St. Johns Basin Tributaries.**

**Type of Project:** Bacteria source identification

**Size of Project (dollar amount and scope):** \$380,000. Identification of sources of fecal coliform contamination for eleven impaired tributaries of the Lower St. Johns River, using a highly collaborative approach based on information sharing with local stakeholders through facilitated meetings, workshops, and field investigations. Project included field assessments, an eight-month sampling program, and thermal imagery coupled with pre- and post-flight sampling program verification to target sampling investigations, isolate failing private lift stations and potential illicit discharges, and identify corrective actions to improve drainage system maintenance.

**Specific Involvement:** Project manager, including significant stakeholder facilitation. Ms. Propst was honored with the Coastal America Spirit Award in 2009 for leading the Tributary Assessment Team (TAT) in this effort.

### **Development and Implementation of Fecal Coliform TMDLs in the Lower St. Johns Basin Tributaries.**

**Type of Project:** Bacteria TMDL support

**Size of Project (dollar amount and scope):** \$386,464. Data collection and GIS analysis in 55 tributaries impaired for fecal coliforms to expedite TMDL (Total Maximum Daily Load) development and assist in implementing the TMDLs through a Basin Management Action Plan (BMAP). A technical report for each tributary was prepared for inclusion in the BMAP.

**Specific Involvement:** Project manager

## Cheryl Wapnick Propst, MS, CE

Data Analyst

### **Northwest Florida Beaches International Airport Water Quality Monitoring.**

**Type of Project:** Pre and post-development water quality monitoring

**Size of Project (dollar amount and scope):** \$781,355. Document water quality conditions in downstream water bodies prior to and during airport construction and post-development periods and to detect any significant changes in water quality that may result from airport activities so corrective actions can be implemented.

**Specific Involvement:** Task manager water quality, sediment chemistry, and biological monitoring data analysis.

### **SummerCamp Surface Water and Groundwater Monitoring Program.**

**Type of Project:** Surface water and groundwater monitoring

**Size of Project (dollar amount and scope):** \$46,000. Quarterly sampling of surface water and surficial aquifer groundwater stations and annual sampling of sediment and intermediate aquifer groundwater stations to fulfill permit requirements and implement a stormwater monitoring plan.

**Specific Involvement:** Task manager water quality, sediment chemistry, and biological monitoring data analysis.

### **Decision-Support Tool Development, Hillsborough River Watershed.**

**Type of Project:** Decision support

**Size of Project (dollar amount and scope):** \$25,105. Development of a decision-support tool for BMAP-related management actions addressing fecal coliform impairments in the Hillsborough River watershed.

**Specific Involvement:** Ms. Propst was the project manager for the development of a decision-support tool or “decision matrix” that can be used by FDEP and its local partners to guide BMAP-related management actions addressing fecal coliform impairments in the Hillsborough River watershed. In addition to fecal coliform counts, the tool incorporates other relevant information – focusing on the presence and magnitude of human fecal contamination and other likely pathogen sources in a BMAP management area – to assist in the effective management of human health risks from waterborne disease in surface water bodies that are classified as impaired due to elevated fecal coliform levels. The applicability of the tool for state-wide usage was also evaluated. This tool can also be modified for use outside of Florida.

### **EPA Fecal Coliform Source Identification Training Workshop. Type of**

**Type of Project:** Bacteria source identification training workshop

**Size of Project (dollar amount and scope):** \$2,950. Two-day training workshop to educate the EPA R4 on a bacteria decision-support tool and process for determining the dominant source(s) of contamination in a watershed. The process relies upon a “weight-of-evidence” approach that combines local knowledge, intensive mapping of land use and infrastructure data, detective work, conventional microbiology, and cutting-edge MST methods.

**Specific Involvement:** Workshop Instructor.

### **St. Johns River Water Quality Study, Palatka, Florida.**

**Type of Project:** Water quality assessment

**Size of Project (dollar amount and scope):** \$14,050. Investigation of the sources, patterns, and degradability of organic matter and oxygen deficits in the St. Johns River estuary in coordination with the St. Johns River Water Management District and the University of North Carolina.

**Specific Involvement:** Field manager and interagency coordinator.

# Thomas L. Singleton

*TMDLs, Watershed Management Policy*

*Past Job Assignments: Project Director, Project Manager, Principal Scientist*

*Years with PBS&J: 3*

*Years with other Firms: 31*



## Education

B.S., Biology, Florida State University, 1977

Graduate Fellow, Florida Natural Resources Leadership Institute, University of Florida/Florida State University, Charter Class, 1999

## Appointments

Virginia Chesapeake Bay TMDL Stakeholder Advisory Group, 2010

## Honors and Awards

Florida Natural Resources Leadership Institute, Florida State University/ University of Florida, Charter Class, Graduate Fellow, 1999.

American Institute of Architects, Honor Award for Urban and Regional Design, South Dade Watershed Project, 1999.

FDEP, Cooperative Team Awards, St. Marks River Watershed Pilot Project, 1997 and Suwannee River Work Group, 1999.

Keep Florida Beautiful Award, Citation for Outstanding Achievement, "Plant a Tree for Marjory" Campaign (Marjory Stoneman Douglas), 1992.

Mr. Singleton is a recognized expert in TMDLs, NPDES, and watershed planning and management. He has 34 years of experience in land and water resource management in both the public and private sectors, including three years with PBS&J, with an emphasis on watershed planning and restoration. His experience includes the management, administration, and fiscal oversight of large, complex, water resource projects; facilitation, collaboration, and conflict resolution; program development and implementation; public education and training; state and federal grant writing; and data and information management. He has led diverse teams in addressing some of the most challenging land and water resource management issues, including water quality restoration, critical and sensitive areas protection, agricultural water use, wastewater reuse and disposal, pesticide registration and use, and post-hurricane restoration.

Before joining PBS&J, Mr. Singleton served as the statewide TMDL Coordinator for the Florida Department of Environmental Protection (FDEP) for 12 years. In this capacity, he led stakeholder participation processes in support of developing and implementing TMDLs and directed a large team of professionals in all phases of water quality assessment, TMDL development and the development of Reasonable Assurance Documents (RADs) and Basin Management Action Plans (BMAPs). He led the successful documentation of reasonable assurance for Tampa Bay, Lake Seminole, and Prairie and Joshua Creek, and directed the development, editing, and production of all reports produced by the TMDL program at FDEP, including the state's biennial water quality report to the U.S. Congress, water quality status and assessment reports, TMDL reports and implementation plans, RAD plans, BMAPs, water quality monitoring reports, and Best Management Practice (BMP) manuals.

Mr. Singleton's previous experience included serving as a governmental representative and project manager for SFWMD in Coral Gables, Florida, for five years, where he directed the resolution of water resource issues in Miami-Dade County, Florida, and managed development of the agricultural mobile irrigation program, revisions to agricultural consumptive use permitting, stormwater master plans, and over \$8 million in water quality restoration projects. He also led the development of a regional watershed management plan to guide the rebuilding of south Dade after Hurricane Andrew in 1995. The project received the American Institute of Architects' Honor Award for Urban and Regional Design in 1999. From 1991-1993, he led a multi-agency task force that documented countywide deficiencies in the sanitary sewer system that resulted in a \$3 billion state and federal settlement with Miami-Dade County.

Mr. Singleton's PBS&J project experience includes:

### **Peace Creek Watershed Sustainable Water Resources Management Plan Development Services, City of Winter Haven, FL.**

**Type of Project:** Watershed management plan

**Size of Project (dollar amount and scope):** \$85,344. Interconnected network of lakes, canals, wetlands, aquifers, open spaces, and parks, designed to meet the long-term water resource needs of the community, including supply (water quantity), treatment (water quality), flood protection, and the preservation of natural resources. Adopted by the City in December 2010.

**Specific Involvement:** Project director and principal author.

## Thomas L. Singleton

*TMDLs, Watershed Management Policy*  
Leadership Gainesville, Florida  
XVIII, Participant, 1991.

### **Tampa Bay Water Integrated Source Water Protection Plan, Tampa Bay, Florida (Tampa Bay Water).**

**Type of Project:** Source water protection plan

**Size of Project (dollar amount and scope):** \$499,815. Development of an integrated source water protection plan for protecting public drinking water sources, including groundwater, surface water, and saline sources. The protective measures evaluated include protective policies and regulations, land acquisition programs, best management practices, local watershed protection measures, public information and education, and monitoring programs. The relative effectiveness of the measures was determined using an innovative "expert" survey method to gain consensus on what makes a measure effective. The most effective methods were then evaluated through a cost-benefit analysis, including financial and personnel costs; and water quality, environmental, and social benefits (triple bottom line analysis).

**Specific Involvement:** Principal technical scientist responsible for project design, quality assurance, and stakeholder participation.

### **Florida Department of Environmental Protection (FDEP) Ongoing TMDL Support Contract, Florida (statewide) (FDEP).**

**Type of Project:** TMDL implementation support

**Size of Project (dollar amount and scope):** \$2.2 million to date.

Services range from statistical analysis of water quality data used to determine water body impairments, to field studies for assessing microbial and nutrient sources, to coordination with local governments/stakeholders in the development of TMDL implementation plans for pollutant load abatement and waterbody remediation.

**Specific Involvement:** Contract manager responsible for project oversight and design, quality assurance, and stakeholder facilitation.

### **Sarasota Bay Watershed Assessment and Evaluation of Water quality Restoration Alternatives, Sarasota, FL (FDEP).**

**Type of Project:**

**Size of Project (dollar amount and scope):** \$174,188. Comprehensive assessment of conditions in the Sarasota Bay watershed giving rise to the observed water chemistry and biological responses contributing to water quality impairments throughout the watershed. This information was used to identify and gain consensus on the appropriate management actions for protecting and restoring water quality and preserving water resources in the watershed. \$

**Specific Involvement:** Project director responsible for project oversight, quality assurance, and stakeholder participation.

### **Bacteria Basin Management Action Plan (BMAP) Implementation, Hillsborough River Watershed, Hillsborough County, Florida (FDEP).**

**Type of Project:** Bacteria source identification

**Size of Project (dollar amount and scope):** \$306,741. Evaluation of potential bacteria sources causing water quality impairments. It included the development and testing of a management tool for identifying sources of fecal indicator bacteria, evaluating relative health risks, and targeting management actions to restore water quality. The tool, which includes a microbial water quality assessment, a contaminant source survey, and microbial source tracking, has been used in over 60 watersheds in Florida and can be applied anywhere in the country. It has proven to be especially effective in gaining stakeholder consensus on the actions necessary to restore water quality.

**Specific Involvement:** Project director responsible for project design and oversight, quality assurance, and stakeholder facilitation.

# Robert D. Woithe, Ph.D., PWS, CSE

Data Management and QA/QC

Past Job Assignments: Project Manager, Lead Scientist, QA/QC

Years with PBS&J: 12

Years with other Firms: 8



## Education

Ph.D., Environmental Science &  
Ecology, University of Florida,  
1994

M.S., Environmental Science &  
Ecology, University of Florida,  
1992

B.A., Biology, Middlebury College,  
1988

## Certifications

Certified Senior Ecologist,  
Ecological Society of America  
Professional Wetland Scientist  
(1160)  
NAUI Nitrox  
SCUBA Certification (829973)

Mr. Woithe has extensive experience in large-project management, coastal ecology, and natural resource monitoring and assessment. For the past 10 years Dr. Woithe's exclusive focus has been monitoring and assessment programs to detect environmental status and impacts in the Gulf of Mexico and associated estuaries. He is lead scientist and project manager for several large, long-term monitoring programs that collect, process, and analyze several million measurements a year. Bob has extensive experience from Florida to Texas in the design and implementation of environmental monitoring studies, environmental permitting, mitigation, habitat and wetland restoration projects, and public coordination for public, private, and non-profit clients and is a member of PBS&J's Scientific Diving Control Board. Dr. Woithe's experience includes:

### **Tampa Bay Water, Hydrobiological Monitoring Program for the Alafia, Palm, and Hillsborough Rivers, Hillsborough County, Florida**

**Type of Project:** Hydrobiological monitoring

**Size of Project (dollar amount and scope):** \$12 million. 12-year, water quality, hydrologic, and biological monitoring effort to determine effect of fresh water withdrawals on the Tampa Bay estuary.

**Specific Involvement:** Project manager overseeing hydrologic, water chemistry, benthic, fish, plankton, wildlife, and vegetation sampling and monitoring efforts as well as data interpretation, review, analysis, and management, quality assurance and control, and subcontractors in this ongoing project.

### **Apollo Bay Monitoring Program/Tampa Bay Desalination Facility, Hillsborough County, Florida**

**Type of Project:** Permit compliance monitoring

**Size of Project (dollar amount and scope):** \$3 million, 10-year. Water quality and biological monitoring effort to ensure the waters of Tampa Bay were not harmed by discharge of the seawater effluent associated with the largest seawater desalination plant in the U.S. The project included water chemistry, hydrologic, and benthic sampling and monitoring efforts, data interpretation, review, analysis, and management, as well as quality assurance and control reviews. There have been no impacts from the operation of this facility.

**Specific Involvement:** Project manager and lead scientist

### **Florida Wildlife Legacy Initiative Habitat Performance Measures and Monitoring, Florida Fish and Wildlife Commission**

**Type of Project:** Habitat monitoring system

**Size of Project (dollar amount and scope):** \$225,000. Development of a statewide habitat monitoring system for 6 priority habitats (coral reefs, seagrasses; softwater streams; springs/spring runs; scrub and sandhill) using existing monitoring programs run by local, state, and federal agencies, universities, and environmental groups. The project included multiple workshops to synthesize background research and expert recommendations for structuring and implementing the habitat monitoring system. After coordinating and building consensus with over 60 agencies and groups to design a monitoring system, PBS&J implemented the system in the summer of 2009. The programs final results were summarized in a report designed to meet the needs of the Fish and Wildlife Commissioners and the lay public as well technical professionals. \$225,000.



**Specific Involvement:** Project manager

**Myakkahatchee Creek Hydrobiological Monitoring Program Northport, Florida**

**Type of Project:** Consumptive water use permit monitoring

**Size of Project (dollar amount and scope):** \$300,000. Continuous water quality monitoring program for the City of Northport, Florida. Program operates several continuous, water quality recorders in the Myakkahatchee Creek/Big Slough tributary of the Myakka River. Monitoring program supports City's Water Use Permitting process and developed and implements statistical models for salinity, dissolved oxygen (DO), and flow to analyze the effect of water diversions.

**Specific Involvement:** Project manager and chief scientist

**City of North Port, Water Enhancement Project. North Port, Florida.**

**Type of Project:** Water quality and hydrologic monitoring

**Size of Project (dollar amount and scope):** \$390,000, 1-year. Water quality and hydrologic monitoring project to existing water quality and flow conditions and identify feasible habitat and water quality enhancement projects in the City of North Port's water bodies. The City's extensive system of drainage canals discharge a large amount of runoff to a state "Wild and Scenic River" and a state "Aquatic Preserve" and "Outstanding Florida Water". The project collected and analyzed water quality and flow data within City's stream and drainage systems and developed recommendations for future projects to improve the water quality and downstream nutrient loadings. The study found existing infrastructure and best management practices already instituted by the City of North Port were minimizing the impact of stormwater runoff from the residential and commercial development and that stormwater retrofits were not necessary.

**Specific Involvement:** Project manager and lead scientist

**Peace River/Manasota Regional Water Supply Authority, Hydrobiological Monitoring Program Continuous Recorders Program, Desoto County, Florida**

**Type of Project:** Hydrobiologic monitoring

**Size of Project (dollar amount and scope):** \$500,000. Continuous, water quality monitoring in the Peace River. Monitoring is in support of continued freshwater diversions by water supply authority. Parameters monitored include specific conductivity, salinity, temperature, DO, and water level. Also performing river-long, continuous transects measuring chlorophyll concentrations using continuous flow fluorometers.

**Specific Involvement:** Principal scientist.

**Long-Term Mineral Management Service (MMS) Monitoring, Flower Garden Banks National Marine Sanctuary, Texas**

**Type of Project:** Water quality and fish monitoring.

**Size of Project (dollar amount and scope):** \$1,600,000. Water quality and fish monitoring of a long-term MMS program to test effects of natural gas and petroleum facilities on the coral reef communities of the Flower Garden Banks. Management of deployed water quality monitoring equipment program and fish population studies. Data interpretation, review, analysis, management, quality assurance and quality control (QA/QC).

**Specific Involvement:** Project scientist.

# David A. Tomasko, Ph.D.

*Sampling Program, Watershed Management*

*Past Job Assignments: Project Manager, QA/QC, Lead Scientist*

*Years with PBS&J: 5*

*Years with other Firms: 23*



Mr. Tomasko has an extensive 24-year ecological sciences background involving marine and freshwater ecology, development and review of pollutant loading and water quality models, environmental monitoring design, water quality analysis, and the development of estuary and lake management plans. He has also been published widely and has made numerous presentations in his technical fields.

During his career, he has conducted field work and published scientific findings related to water quality and/or environmental health in a number of countries other than the US, including Mexico, Belize, Honduras, Antigua, and the Philippines. Mr. Tomasko was invited by the Japanese Ministry of the Environment and the University of Tokyo to present findings related to his research on pollutant loading models and ecological responses to pollution control efforts at a workshop on water quality modeling held in Tokyo, Japan.

Some examples of Dr. Tomasko's relevant project experience at PBS&J include:

## Education

Post-doctoral fellowship, University of Texas Marine Science Institute, 1990

Ph.D., Biology, University of South Florida, 1989

M.S., Biology, Florida Institute of Technology, 1985

B.S., Biology, Old Dominion University, 1982

## Professional Affiliations

American Society of Limnology and Oceanography

Estuarine Research Federation  
Southeastern Estuarine Research Society

## Academic and Scientific Journal editorial Experience

Graduate Faculty Member (special accreditation), December 1993 – present, University of South Florida, College of Natural Sciences, Tampa, Florida.

Graduate Faculty Member (special accreditation), June 2002 – Fall 2004, University of Florida, Department of Fisheries and Aquatic Sciences, Gainesville, Florida.

Adjunct Professor, December

## Water Quality Management Plan for the Winter Haven Chain of Lakes, City of Winter Haven, Florida

**Type of Project:** Water quality management plan

**Size of Project (dollar amount and scope):** \$250,000. Development of a water quality restoration plan for 20 lakes within the City of Winter Haven. The project involves the development of lake-specific water quality goals for chlorophyll-a, total nitrogen, and total phosphorus, as well as the development of lake-specific restoration projects, such as stormwater retrofits, hydrologic restoration projects, sediment removal, and restoration of native submerged aquatic vegetation.

**Specific Involvement:** Project manager, responsible for contract and project management, coordinating and conducting field work and data analysis efforts, pollutant load model development, invoicing, and report writing.

## Peace River Cumulative Impact Assessment, Florida, Florida Department of Environmental Protection.

**Type of Project:** Cumulative impact study

**Size of Project (dollar amount and scope):** \$750,000. Assessment of the impacts to hydrology and water quality of the Peace River associated with land use changes, point sources, and climatic phenomena. The project intent was to determine the relative contribution to observed changes in flows and water quality due to various land uses, as well as short and long-term variation in rainfall patterns.

**Specific Involvement:** Task manager, responsible for data collection and analysis and report writing on various components of the report.

## Lake Hancock Water Quality Project, Polk County, Florida.

**Type of Project:** water quality sediment study

**Size of Project (dollar amount and scope):** \$230,000. A manipulative *in situ* experiment to determine potential responses of water quality to sediment removal in Lake Hancock, and extremely hypereutrophic lake, and a linked study to determine threshold values for phosphorus and nitrogen for water quality improvement.

## David A. Tomasko, Ph.D.

### *Sampling Program, Watershed Management*

1998 – May 1999, University of South Florida, College of Natural Sciences, Tampa, Florida.

### Graduate Faculty Member

(special accreditation), July 1995 – March 1999, North Carolina State University, College of Agriculture and Life Sciences, Raleigh, North Carolina.

### Summer Faculty, Summer

Semesters of 1993, 1995, and 1997, State University System of Alabama, Dauphin Island Sea Lab, Dauphin Island, Alabama.

### Associate Editor, 1998 – 2008,

**Estuaries**, Estuarine Research Federation, Port Republic, Maryland.

### Associate Editor, 1995 – 1997,

**Journal of Coastal Research**, Florida Atlantic University, Boca Raton, Florida.

Dr. Tomasko has completed obligations as a Ph.D. committee member for Drs. Susan Jensen and John Andorfer, formerly at the University of South Florida (USF), and Dr. Brant Touchette, formerly at North Carolina State University. He has also completed obligations as a M.S. committee member for Jason Hale, at the University of Florida, and Mike Meads (USF) and has ongoing obligations as M.S. committee member for Kristen Kaufman, USF.

**Specific Involvement:** project manager, responsible for coordinating logistics, field work, data compilation and analysis, invoicing, and report writing.

### **Investigation of Algal Bloom Dynamics in the Florida Keys.**

**Type of Project:** water quality assessment

**Size of Project (dollar amount and scope):** \$200,000. Assessment of the factors potentially involved with the development of a large (> 30 square miles) algal bloom in the vicinity of Key Largo. The project determined the relative impact of various factors (e.g., road construction, freshwater inflow, hurricane impacts) that could have contributed to a massive algal bloom in eastern Florida Bay.

**Specific Involvement:** project manager, responsible for contract and project management, coordinating and conducting field work and data analysis efforts, pollutant load model development, invoicing and report writing.

### **Sarasota Bay National Estuary Program – TMDL Support, Sarasota Bay.**

**Type of Project:** water quality assessment

**Size of Project (dollar amount and scope):** \$40,000. Compilation and interpretation of ongoing and recently completed pollutant loading and water quality response studies in the Sarasota Bay watershed, compilation of watershed management activities, and development of techniques for the production of site-specific natural resource-based phytoplankton and water clarity targets.

**Specific Involvement:** Project manager, responsible for developing strategy for determining potential alternative criteria for phytoplankton and water clarity.

### **Assessment of Water Quality Responses of the Ocklawaha River (Florida) to Dam Removal.**

**Type of Project:** Water quality assessment and restoration

**Size of Project (dollar amount and scope):** \$350,000. Determination of the likely responses of the Ocklawaha River to the removal of a 50-year old dam. The project intent was to develop a series of actions that could be taken by the State of Florida to mitigate expected detrimental impacts on water quality to downstream water bodies. The project involved field work, collection of water quality data, data compilation, analysis and interpretation, and the development of an interpretative report.

**Specific Involvement:** task manager, responsible for contract and project management, coordinating and conducting field work and data analysis efforts, pollutant load and water quality model development, invoicing and report writing.

### **Feasibility Report and Environmental Impact Statement for the Caño Martín Peña Ecosystem Restoration Project in San Juan, Puerto Rico.**

**Type of Project:** Environmental impact statement

**Size of Project (dollar amount and scope):** \$2,300,000. Development of an environmental impact statement for restoration-related activities through an assessment of the positive and potentially negative consequences of all activities associated with canal restoration.

**Specific Involvement:** task manager, responsible for water quality modeling efforts and the assessment of potential impacts and benefits related to fisheries habitats.

# Craig W. Hedman, Ph.D.

*Ecological Services, Environmental Assessments, Permitting: Team Leader*

*Past Job Assignments: Project Manager, QA/QC, Lead Scientist*

*Years with PBS&J: 2.5*

*Years with other Firms: 22*



## Education

Ph.D., Forest Resources, Clemson University, 1992

M.F., Forest Productivity, Duke University, 1985

B.S., Natural Resource Management, University of Rhode Island, 1983

## Certifications

Certified Forester (#1372), Society of American Foresters, 2002 – present

Certified Ecologist (#430), Ecological Society of America (May 1993 – May 1997)

Certified Senior Ecologist (June 2006 – present)

Certified Prescribed Burner (#1153), State of Georgia (1999 – present)

Successfully completed RABQSA-Certified International Organization for Standardization (ISO) 14001 Environmental Management System Lead Auditor Training (Certificate #71171, RABQSA Certificate #EMS591; July 2006)

## Professional Memberships

Society of American Foresters  
Ecological Society of America

Dr. Hedman is a certified professional forester and certified senior ecologist with a 25-year background in natural resources conservation and management – emphasizing forest and water resources. He has extensive experience in forest ecology, threatened and endangered (T&E) species management, watershed science and management, wetlands assessment and restoration, mitigation and conservation banking, sustainable forestry, and alternative sources of forest-based revenue. Dr. Hedman's current responsibilities with PBS&J include managing the activities of a ten-member professional staff located in three offices, project management, senior technical assignments, and business development in the areas of natural resources and ecological services in north Florida.

Dr. Hedman's current PBS&J project experience includes:

### **West Bay Parkway (CR 388) Project Development and Environment (PD&E) Study, Bay and Walton Counties, Florida.**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$2.54 million. Two Project Development and Environment (PD&E) Studies have been initiated by the Florida Department of Transportation (FDOT) to be known as the West Bay Parkway. The project area encompasses approximately 24 miles of existing and new roadways and an assessment of multiple alternative corridors and alignments. Segment 1 proposes to extend County Road (CR) 388 from State Road (SR) 30A (US 98) in Walton County to SR 79 in Bay County. Segment 2 proposes to widen existing CR 388 from SR 79 to SR 77 in Bay County, Florida and involves improvements to CR 388 which includes widening and constructing a new intersection with the access road to the Northwest Florida Beaches International Airport.

**Specific Involvement:** Dr. Hedman is leading PBS&J's environmental assessment (desktop and field) and reporting pertaining to wetlands, T&E wildlife and plant species, and essential fish habitat associated with this multi-year study. Segment 1 will result in the development of an environmental impact statement under NEPA while Segment 2 will culminate in an environmental assessment.

### **FDOT District 3 Environmental Management Office (EMO) District-wide Environmental Support.**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$1.5 million. Review technical environmental documents for FDOT with regards to Department standards, federal, and state laws.

**Specific Involvement:** Dr. Hedman has served as an expert reviewer and QA/QC specialist for Wetland Evaluation Reports, Wildlife and Habitat Impacts Assessments, Biological Assessments, Essential Fish Habitat Assessments, and PD&E studies and re-evaluations conducted by other consultants working for or submitting environmental documents to FDOT Districts 2 & 3.

## Craig W. Hedman, Ph.D.

*Ecological Services, Environmental Assessments, Permitting: Team Leader*

### **Environmental Report Supplement, Section 404 Permitting, and Mitigation Planning for a Proposed Nuclear Power Facility, South Carolina**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$2.1 million. PBS&J was contracted to prepare a critical supplement to the Environmental Report (ER) to the Nuclear Regulatory Commission (NRC) for a proposed nuclear facility being planned by a confidential client. The ER-Supplement provided data and analyses that the NRC will use to complete the Environmental Impact Statement (EIS) for the project. The ER-Supplement included environmental analyses addressing terrestrial and aquatic habitats, RTE species, ecological resources (vegetation/botany, mammals, birds, reptiles, amphibians, fish, and aquatic macroinvertebrates), and wetland and stream features associated with a proposed supplemental water supply reservoir. PBS&J is also contracted to prepare the USACE 404 permit application package and mitigation plan for the project.

**Specific Involvement:** Dr. Hedman has been the co-leader of the mitigation component of the 404 Permit specific to identifying mitigation options (wetlands and streams) from various sources and landowners, agency coordination, and plan development.

Before joining PBS&J, Dr. Hedman's work experience with other companies included:

**Manager, Forest Ecology & Water Resources (FE&WR), International Paper (IP), Sustainable Forestry & Forest Policy Group, Southlands Forest, Bainbridge, Georgia (May 1994 – May 2007).** Supported IP's commitment to sustainable forestry via technology transfer, research, policy engagement, and outreach. Supervised up to six full-time natural resource professionals with backgrounds in wildlife biology/management, forest management, aquatic and terrestrial ecology, forest hydrology, wetlands ecology, and watershed management (B.S. through Ph.D.). Co-developed and administered a state-of-the-art habitat conservation plan (HCP) for the endangered red-cockaded woodpecker (RCW) covering 5 million acres of IP ownership in eight states. Established a RCW conservation bank at Southlands Forest. Developed survey methodology and assisted with/supervised the survey of RCW habitat across 24,000 acres of IP land in seven states. Developed gopher tortoise survey methodology, conducted population and habitat surveys, and administered contractor activities on 35,000 acres of IP timberlands located within the listed part of the threatened species' range in Alabama and Mississippi. Led assessment project regarding wetlands/stream mitigation banking across IP forest operations landbase (8-10 million acres). Included extensive and intensive assessments of soils; hydrology; vegetation; wildlife habitat (rare, threatened, and endangered species). Served as technical advisor and co-administrator of Dry Creek Long-term Watershed Study (Southlands Forest). Assisted staff with development and initiation of study investigating the effectiveness of Georgia forestry BMPs with respect to water quality, hydrologic responses, stream habitat, macroinvertebrates, amphibians, and birds.

# Austin D. Carroll

*Wildlife Assessments (Gopher Tortoise and Permitting)*

*Past Job Assignments: Project Manager, Ecologist, Lead Scientist, QA/QC*

*Years with PBS&J: 3*

*Years with other Firms: 8*



## Education

M.S., Wildlife and Fisheries  
Science, Mississippi State  
University, 2004

B.S., Forestry (Wildlife  
Management Option),  
Mississippi State University,  
2000

M.B.A., student in the Executive  
MBA Program, University of  
Florida, (graduation - April  
2012)

## Certifications

Registered Forester, Mississippi  
#02148

Certified Wildlife Biologist, The  
Wildlife Society

Certified Ecologist, The Ecological  
Society of America (pending)

Certified Prescribed Burner in the  
States of Mississippi, Alabama  
(#01138), and Florida  
(pending)

I-100, L-180, S-130, S-131, S-190,  
S-215, Fire Management  
Certification

Florida Fish and Wildlife  
Conservation Commission  
(FWC) Gopher Tortoise  
Authorized Agent #GTA-09-  
00142

Embry-Riddle Aeronautical  
University Federal Aviation  
Administration (FAA) Wildlife  
Hazard Management Training  
Qualified Stormwater Management  
Inspector #14507

FWC Official Marine Turtle

Mr. Carroll, an ecologist, forester, and wildlife biologist, has more than 11 years of project management experience in natural and water resources management and policy, mitigation area management and monitoring, multi-organizational partnership development, and ecological research and monitoring in ecosystems across the southeastern U.S. His experience in field research includes study design, implementation, data collection, analysis, and reporting. His past experience has given him a working knowledge of aquatic and terrestrial habitat management practices, wildlife and fisheries population management, silvicultural and mitigation area design and management, threatened and endangered species surveys, relocations, and management, regulatory compliance, permitting (including NEPA), and monitoring techniques, and large scale project management. He has established and coordinated partnerships between local landowners, citizen/civic groups, governmental agencies, private industry, academic and research groups, and non-governmental organizations to facilitate mutual interest and cooperation in achieving ecologically significant objectives.

Mr. Carroll's PBS&J project experience includes:

### **Northwest Florida Beaches International Airport Mitigation Management and Monitoring, Bay County, Florida**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope):** \$51 million. PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Specific Project Involvement:** Mr. Carroll serves as project manager and is responsible for mitigation plan implementation, contract administration, Qualified Mitigation Supervisor (QMS) responsibilities, monitoring, and reporting requirements for the mitigation area. Mr. Carroll leads the development and distribution of bid packages, and ultimately bid evaluation, during the selection of contractors for mitigation activity implementation. He developed a management schedule to accomplish the goals and objectives of the mitigation plan and directed task implementation for mechanical and manual site preparation, prescribed burning, hydrologic restoration, vegetation planting, invasive/exotic species management, and dump site removal.

### **Apalachicola National Forest (ANF) Gopher Tortoise Restoration, Relocation, and Research Project, Florida**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope):** \$4 million. This project involves the translocation of up to 3,000 gopher tortoises (GT) from third-party permit holders to ANF as part of a large-scale restoration effort. A formal research study aimed at evaluating stocking density and enclosure size effect on the site fidelity of relocated tortoises is coupled with these restoration objectives. Project partners include the Florida Fish and Wildlife Conservation Commission (FWC), United States Forest Service (USFS), The St. Joe Company, and the Wildlife

## Austin D. Carroll

*Wildlife Assessments (Gopher Tortoise and Permitting)*

Lighting Exam  
Institutional Animal Care and Use  
Committee (IACUC) Animal  
Care and Handling Training

### **Professional Affiliations**

Wildlife Society, Florida Chapter  
Society of American Foresters, Big  
Bend Chapter  
Society of Ecological Restoration,  
Coastal Plain Chapter  
Ecological Society of America  
Florida Association of  
Environmental Professionals  
Gopher Tortoise Council  
National Eagle Scout Association,  
Lifetime Member  
FWC Black Bear Management Plan  
Stakeholder Group, PBS&J, Inc.  
Representative

Foundation of Florida.

**Specific Project Involvement:** Mr. Carroll serves as project manager responsible for the administration, implementation, and reporting associated with the project. These responsibilities include permit acquisition; coordination with project partners; market based fee structure development for GT; GT acquisition from third party donors; radio telemetry of gopher tortoises; vegetative community surveys; statistical data analysis; literature review; presentations, reports, and manuscript submissions; and publication of research results and management implications in peer reviewed journals.

### **Leon County Department of Public Works (LCDPW), General Engineering Contract Services, Leon County, Florida.**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope):** \$25,000. Environmental tasks.

**Specific Project Involvement:** As task manager, Mr. Carroll directed all gopher tortoise surveys, permitting, excavation, and relocation associated with the Killlearn Lakes Stormwater Improvement Areas. He also provided onsite consultation and construction impacts monitoring to the client following burrow identification in the construction area. Additionally he negotiated and secured permits from FWC to excavate these additional burrows in the construction area. Mr. Carroll directs ongoing Natural Features Inventory (NFI) and Environmental Impact Analysis (EIA) permit application and acquisition services from the City of Tallahassee for multiple LCDPW projects.

### **SouthWood Community Environmental Services, Leon County, Florida.**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope):** \$200,000. NFI and EIA applications and gopher tortoise permitting, excavation and relocation.

**Specific Project Involvement:** Mr. Carroll leads all NFI and EIA application efforts within the SouthWood community including surveys for threatened and endangered species, wetlands and significant grade impacts, and ecological habitat assessments. Mr. Carroll also directs all gopher tortoise permitting, excavation, and relocation associated with the SouthWood community. He coordinates with city and county environmental growth management officials to resolve permitting and logistical issues.

### **SummerCamp Beach Community Mitigation Area Management and Environmental Services, Franklin County, Florida**

**Type of Project: Environmental/Ecological**

**Size of Project (dollar amount and scope):** \$500,000. PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the Community. PBS&J currently provides mitigation scheduling, permit release coordination, monitoring, and QMS services for the community.

**Specific Project Involvement:** Mr. Carroll provides project management and QMS services for the SummerCamp Beach community including management recommendations, coordination, monitoring, and reporting. These activities include hydrologic restoration, vegetation planting, sea turtle issues, prescribed burning, urban-wildlife interactions, Firewise Community standards, and community education.

# Harold Fravel

**Wildlife Assessments, Plant Surveys, Wetlands; Local Permitting**

**Past Job Assignments:** Ecologist, Lead Coordinating Professional

**Years with PBS&J: 5**

**Years with other Firms: 2**

## Education

B.S. Environmental Studies,  
Florida State University, 2003

M.S. Environmental Science,  
University of Florida,  
(expected graduation 2012)

## Certifications

Certified Arborist #5559A  
National Pollutant Discharge  
Elimination System (NPDES)-  
Qualified Stormwater  
Management Inspector  
#12373

Florida Fish and Wildlife  
Conservation Commission  
(FFWCC) Gopher Tortoise  
Authorized Agent

Lake Vegetation Index  
Methodology – Florida DEP  
FDEP SOP Sampling Training for  
Groundwater, Surface Water,  
And Wastewater

Certified Prescribed Burner –  
Florida Division of Forestry,  
(in progress)

Wildland Firefighter 2  
Faller A Chainsaw Certification  
PADI Certified Scuba Diver –  
Advanced Open Water/ Nitrox  
Florida Boating Safety Education  
ATV Safety Institute

## Professional Affiliations

International Society of  
Arboriculture  
Florida Native Plant Society

## Software

ArcGIS version 9.2/9.3  
ArcPad GPS Software

Mr. Fravel has seven years of diverse environmental experience. Mr. Fravel's involvement has ranged from wetland delineation, threatened and endangered species surveys (gopher tortoise, federal and state plants), and habitat characterizations, water quality sampling/monitoring, NPDES compliance, vegetation monitoring, seagrass surveys, wetland mitigation/creation/enhancement, mitigation bank feasibility studies, geographic information systems (GIS), prescribed burning (management and implementation), and local environmental permitting (NFI/EIA services).

Mr. Fravel's PBS&J project experience includes:

### **Leon County Department of Public Works (LCDPW), General Engineering Contract Services, Leon County, Florida.**

**Type of Project:** Engineering

**Size of Project (dollar amount and scope):** \$25,000. Environmental tasks.

**Specific Involvement:** Mr. Fravel provides ongoing Natural Feature Inventory (NFI) and Environmental Impact Analysis (EIA) permit application and acquisition services from the City of Tallahassee for LCDPW. The NFI and EIA process require onsite coordination with local and state agencies dependent on the project. NFI and EIA projects involve initial site assessments and analysis of potential impacts to natural features. Subsequent permitting is provided as needed and has included jurisdictional wetland delineations, tree surveys, habitat assessments for listed species, gopher tortoise surveys and associated gopher tortoise relocations following FFWCC permitting requirements. NFI/EIA work for LCDPW includes: Capital Circle Southwest Sewer Line Extension, City of Tallahassee Sidewalk Extensions, Fairbanks Ferry Emergency Access Road, Fonvielle Farms Stormwater Improvement, Killeam Lakes Sidewalks, Selena Road Stormwater Improvements, Sunflower Road, and Timberlake Neighborhood Stormwater Improvements.

### **Florida Gas Transmission (FGT), Natural Gas Pipeline – Phase 8, Florida.**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$2.5 million. PBS&J is providing ongoing environmental support for FGT pipeline projects (existing and new corridors) across Florida including the Big Bend and Panhandle Regions.

**Specific Involvement:** Mr. Fravel provides ongoing environmental services on several FGT projects. He currently serves as a field scientist performing vegetation monitoring and invasive exotic species identification for permit compliance, habitat assessments for threatened and endangered species, wetland delineation and gopher tortoise surveys associated with construction on major linear utility corridors. He also assisted with the GIS evaluation of various sites prior to field assessments and then to analyze collected data for associated permits for dredge/fill activities, and gopher tortoise relocation permitting. Ongoing services include post-construction vegetation monitoring, erosion control inspection, and invasive exotic species identification. Additional local permitting for FGT has included two linear utility corridor projects within the City of Tallahassee and also within Leon County including site assessments, wetland delineation, threatened and endangered species habitat evaluations, completing an NFI applications and correspondence/coordination with several



## Harold Fravel

*Wildlife Assessments, Plant Surveys, Wetlands; Local Permitting*  
Terrasync Software  
GPS Pathfinder Office

Win-situ Software  
Eco-Watch Software  
Microsoft Office

### Professional Development

Wetlands Certificate, University of Florida. Graduate Courses include:

Wetlands

Environmental Hydrology

GIS in Land Resource

Management

Environmental Pedology

Hydric Soils

### West Bay Parkway (CR 388), Bay County, Florida.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$2.54 million. Two Project Development and Environment (PD&E) Studies have been initiated by the Florida Department of Transportation (FDOT) to be known as the West Bay Parkway. The project area encompasses approximately 24 miles of existing and new roadways and an assessment of multiple alternative corridors and alignments. Segment 1 proposes to extend County Road (CR) 388 from State Road (SR) 30A (US 98) in Walton County to SR 79 in Bay County. Segment 2 proposes to widen existing CR 388 from SR 79 to SR 77 in Bay County, Florida and involves improvements to CR 388 which includes widening and constructing a new intersection with the access road to the Northwest Florida Beaches International Airport.

**Specific Involvement:** This FDOT project is in the Project, Development, and Environment (PD&E) stage. Environmental assessments have been conducted at project study area, corridor and alternative alignment levels at both desktop and in the field analysis levels. Mr. Fravel has assisted with via aerial photo habitat interpretations, GIS mapping, habitat characterizations, UMAM assessments, and threatened and endangered species surveys.

### Northwest Florida Beaches International Airport Mitigation Management and Monitoring, Bay County, Florida.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$51 million. PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Specific Involvement:** Mr. Fravel assists with mitigation monitoring activities including annual vegetation monitoring, frequent invasive/exotic species management, hydrologic monitoring (piezometer water level data collection), and water quality sampling within and adjacent to the project site. Mr. Fravel currently leads the quarterly water quality sampling effort.

### SummerCamp Beach Community Mitigation Area Management and Environmental Services, Franklin County, Florida.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$500,000. PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the Community. PBS&J currently provides mitigation scheduling, permit release coordination, monitoring, and QMS services for the community.

**Specific Involvement:** Mr. Fravel provides mitigation services for the SummerCamp Beach community and mitigation area. In this role he provides management recommendations and coordination with JOE biologists regarding road removal, hydrologic restoration, vegetation planting, prescribed burning. He performs the quarterly water quality sampling, annual wetland assessment, and annual vegetation monitoring. He also assists with the annual reporting to several agencies.

# Lawrence V. Olney

*Wildlife Assessments, Plant Surveys, Wetlands and Permitting*

*Past Job Assignments: Project Manager, Ecologist, Lead Scientist*

*Years with PBS&J: 9*

*Years with other Firms: 15*



## Education

B.S., Biological Sciences &  
Geology, Florida State  
University, 1983

## Certifications

University of FL, Soil and Water  
Science Institute for Hydric  
Soils and Whole Landscape  
Hydrology Training, 2006  
Qualified Stormwater  
Management Inspector (9042),  
2005, Wetland Delineation and  
Hydric Soils Training, FDEP,  
2001 USACOE Wetland  
Delineator Program, 1999  
Basic Firefighter/Incident  
Commander, 1995 First  
Responder/CPR/Public Safety,  
1994 Scuba Diver (PADI),  
1987

## Professional Affiliations

Society of Wetland Scientists  
Florida Association of  
Environmental Professionals  
Florida Native Plant Society

Mr. Olney serves as senior botanist, leads mitigation monitoring teams, wetland jurisdictional determinations, and listed plant surveys. He has over 22 years of experience in wetland delineation, wetland functional assessments, botanical field studies, threatened and endangered species surveys, mitigation assessments, resource management and environmental permitting (including USACE Section 404) and monitoring. He has recognized expertise and extensive experience in the southeast U.S. in wetland delineation and vegetation identification, including projects in problem areas with extensive vegetation and soils disturbance.

## Northwest Florida Beaches International Airport Mitigation Management and Monitoring, Bay County, Florida.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$51 million. PBS&J was responsible for the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Specific Involvement:** Mr. Olney served as project manager for directing the state and federal-binding wetland determinations for the 5000-acre Northwest Florida Beaches International Airport relocation project. The approved wetland delineation was used as the basis for the USACE Section 404 permitting. This project entailed the delineation of approximately 380 miles of wetland line and FLUCFCS mapping of approximately 2,000 acres of wetland habitat. He is also assists with supervising and leading field efforts for the mitigation vegetation performance monitoring associated with the USACE Section 404 permit for the 10,000-acre Northwest Florida Beaches International Airport mitigation site. This work includes quality assurance and control reporting and overseeing teams of biologists responsible for collecting vegetation and sampling data in accordance with the requirements of the Section 404 permit.

## West Bay Parkway (CR 388), Bay County, Florida.

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$2.54 million. Two Project Development and Environment (PD&E) Studies have been initiated by the Florida Department of Transportation (FDOT) to be known as the West Bay Parkway. The project area encompasses approximately 24 miles of existing and new roadways and an assessment of multiple alternative corridors and alignments. Segment 1 proposes to extend County Road (CR) 388 from State Road (SR) 30A (US 98) in Walton County to SR 79 in Bay County. Segment 2 proposes to widen existing CR 388 from SR 79 to SR 77 in Bay County, Florida and involves improvements to CR 388 which includes widening and constructing a new intersection with the access road to the Northwest Florida Beaches International Airport.

**Specific Involvement:** Mr. Olney is currently responsible for leading teams of biologists in wetland identification and listed plant and wildlife species surveys, and assisting with developing environmental reports.

## Lawrence V. Olney

*Wildlife Assessments, Plant Surveys, Wetlands and Permitting*

### **Gulf Coast Parkway PD&E Study and EIS, Gulf County, Florida**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$4.3 million. PBS&J is conducting a PD&E Study and developing an EIS in support of FDOT for the proposed Gulf Coast Parkway. Parkway would connect Mexico Beach to the eastern end of Panama City.

**Specific Involvement:** Mr. Olney was responsible for leading teams of biologists in wetland identification and seasonal listed plant species and wildlife surveys for over 100 miles of potential roadway alignments associated with the Florida Department of Transportation proposed Gulf Coast Parkway project in Bay and Gulf County.

### **Florida Gas Transmission (FGT) Pipeline Ongoing Environmental Services, FL, AL, MS, LA.**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$2.5 million. PBS&J is providing ongoing environmental support for FGT pipeline projects (existing and new corridors) across Florida including the Big Bend and Panhandle Regions.

**Specific Involvement:** Mr. Olney currently provides regulatory support for various FGT projects ranging from routine pipeline maintenance to multi-state expansion efforts. These services have included environmental resource permitting (ERP), wetland resource permitting (WRP), Section 404 permitting, stormwater management and permitting, wetland delineations, wetland functional assessments, mitigation planning, wetland monitoring, stream restoration, listed species surveys, local natural features inventory (NFI) - environmental impact assessment (EIA) – environmental management plan (EMP) permitting, site engineering, as-built certifications, and ongoing coordination with multiple regulatory and resource management agencies at the local, state, and federal levels. Prior to joining PBS&J, Mr. Olney's worked as a consultant to FGT as a senior biologist responsible for developing and overseeing a five-year vegetation monitoring program to assess wetland and upland ecosystem restoration and mitigation for a natural gas pipeline expansion project extending from Western Louisiana through Mississippi, Alabama, and Florida. This work involved training and supervising field personnel over a five-year period that were responsible for collecting biological and wetland permit compliance data for over 1,000 wetlands along approximately 800 miles of natural gas pipeline.

### **St. Joe Company Mitigation Management and Monitoring**

**Type of Project:** Environmental/Ecological

**Size of Project (dollar amount and scope):** \$750,000. Provide St. Joe Company with support on various projects concerning environmental assessments and permitting.

**Specific Involvement:** Mr. Olney has served as a team member in support of USACE Section 404 permitting for a number of developments for the St. Joe Company e.g., 750-acre Bonfire Beach and 2000-acre WindMark Beach projects in Gulf County, Florida. He also directed and supervised the threatened and endangered species surveys combined with the large scale planning level wetland identification for the large tracts of timber lands associated with the 5,300 acre Intracoastal Waterway Priority Tracts for the St. Joe Company in Bay and Gulf County.

# Frank J. Keel

Archaeology Team Leader

Past Job Assignments: Project Manager, Lead Archaeologist

Years with PBS&J: 11

Years with other Firms: 5



## Education

M.S., Anthropology/Archaeology,  
Florida State University, 1990

B.S., Anthropology, Florida State  
University, 1987

Mr. Keel is a U.S. Department of Interior (DOI) qualified archaeologist, with more than 18 years of experience in Florida archaeology and cultural resource management. As project archaeologist, he is responsible for cultural resource management assessments for various projects, but with a primary focus on Florida Department of Transportation (FDOT) and Florida's Turnpike Enterprise projects. His duties include background archival research, archaeological survey, excavation, artifact analysis, and technical report writing. Mr. Keel was employed by the National Park Service's Southeastern Archaeological Center for the analysis of Big Cypress survey and Lamar Mound artifact collection and also served in Florida's State Historic Preservation Office (SHPO), reviewing development projects and state agency land management plans, and performing assessments of lands under consideration for purchase by Florida's Conservation and Recreation Lands (CARL) program.

### Orange Avenue Extension Corridor, Tallahassee, Florida

**Type of Project:** Archaeology/Cultural Resource

**Size of Project (dollar amount and scope):** \$12,000. Phase I cultural resources assessment of the extension of Orange Avenue from Blair Stone Road to Capital Circle.

**Specific Involvement:** As project archeologist, Mr. Keel conducted the background research and fieldwork for the project. I was responsible for compiling the data from the fieldwork and writing the cultural resources assessment report.

### Dr. Charles Billings Greenway, Tallahassee, Florida

**Type of Project:** Archaeology/Cultural Resource

**Size of Project (dollar amount and scope):** \$2,240 (fee) Phase I cultural resources assessment of the circa 14.88 acre western section of the Dr. Charles Billings Greenway tract on Springhill Road.

**Specific Involvement:** As project archeologist, Mr. Keel conducted the background research and fieldwork for the project. I was responsible for compiling the data from the fieldwork and writing the cultural resources assessment report.

### Brinkley Glen Park, Tallahassee, Florida

**Type of Project:** Archaeology/Cultural Resource

**Size of Project (dollar amount and scope):** \$3,200 (fee). Phase I cultural resources assessment of a 9.3 acre tract on Meridian Road.

**Specific Involvement:** As project archeologist, Mr. Keel conducted the background research and fieldwork for the project. I was responsible for compiling the data from the fieldwork and writing the cultural resources assessment report.

Frank J. Keel

Senior Project Archaeologist

**Timberlake Neighborhood Stormwater Pond, Tallahassee, Florida**

**Type of Project:** Archaeology/Cultural Resource

**Size of Project (dollar amount and scope):** \$3,200 (fee). Phase I cultural resources assessment of a proposed 8.2-acre stormwater pond immediately adjacent to the Timberlake residential development

**Specific Involvement:** As project archeologist, Mr. Keel conducted the background research and fieldwork for the project. I was responsible for compiling the data from the fieldwork and writing the cultural resources assessment report.

**Professional Affiliations**

Florida Anthropological Society (FAS)

Florida Archaeological Council (FAC)

Register of Professional Archaeologists (RPA)

Society for Historical Archaeology (SHA)

## David E. Deans, PE, BCEE

*Landfill Monitoring and Hazardous Materials Team Leader*

*Past Job Assignments: Project Manager, Lead Engineer*

*Years with PBS&J: 30*

*Years with other Firms: 4*



### Education

B.S., Civil Engineering,  
Northeastern University, 1976

### Registrations/Licenses

Professional Engineer  
Florida 31095, 1980

### Certifications

Board-Certified Environmental  
Engineer (BCEE), American  
Academy of Environmental  
Engineers  
Certified Landfill Technical  
Associate (12128), SWANA

Mr. Deans has 33 years of experience in a broad range of solid waste, hazardous waste, and environmental compliance projects. He has served as project engineer, project manager, and project director on projects involving hazardous contamination assessments and remedial action plans; sanitary landfill siting, permitting, and design; solid waste master planning; leachate collection and management and landfill gas activities; conditional use zoning applications; geomembrane construction quality assurance; groundwater contamination assessment and monitoring; stormwater quality control; and mitigation of wetland impacts. Mr. Deans has served on the Florida Department of Environmental Protection's (FDEP) technical committees that support solid waste rulemaking. **Certifications:** Board Certified Environmental Engineer (BCEE); Certified Landfill Technical Associate, SWANA.

### Palm Beach County Solid Waste Authority, Palm Beach County, Florida

**Type of Project:** Landfill

**Size of Project (dollar amount and scope):** \$810,000. Permitting, design, and construction observation for three landfill closures, several landfill expansions, and the development of a master landfill development and stormwater management plan for a new, 1,200-acre solid waste management and resource recovery facility.

**Specific Involvement:** Mr. Deans served for 13 years as project engineer, project manager, and principal-in-charge for PBS&J's general services assignment to the Authority. During this period, Mr. Deans was responsible for the permitting, design, and construction observation for three landfill closures, several landfill expansions, and the development of a master landfill development and stormwater management plan for a new, 1,200-acre solid waste management and resource recovery facility. Their 600-acre Dyer Landfill was expanded, closed, and converted to a county park during his period of service.

### Munisport Landfill Closure and Development Services, North Miami, Florida

**Type of Project:** Landfill

**Size of Project (dollar amount and scope):** \$3,423,373. Preparation of a master-closure plan that incorporated the end-use development of buildings, parking lots, sidewalks, and other structures to serve as impervious elements of the final closure, limiting percolation of stormwater into the waste pile; the preparation of the closure-permit application that included the development of landfill-gas management systems for underground utilities, parking garages, and residential buildings; and a risk assessment to determine the receptors, pathways, and risks of the ammonia contamination to human health and the environment.

**Specific Involvement:** Mr. Deans is currently serving as the engineer of record for the closure and end use of this 170-acre landfill. He has prepared the closure and end-use permit applications to FDEP and Department of Environmental Resources Management (DERM) and designed the landfill gas management and monitoring system for the structures being built on this landfill, to include more than 5,000 residential condominium units and supporting commercial development.

# David E. Deans, PE, BCEE

Landfill Monitoring and Hazardous Materials Team Leader

## City of Jacksonville East Landfill, Jacksonville, Florida.

**Type of Project:** Landfill

**Size of Project (dollar amount and scope):** \$4,978,000. Permitting, design, and construction services for the closure of the 65-acre landfill and the design of the active, landfill-gas collection and flaring system to control odor to comply with the city's comprehensive odor-control ordinance. The cap system combined a flexible-membrane liner (40-mil polyvinylchloride) along with low-permeability soil to minimize stormwater infiltration, and the condensate generated from the collection of the gas was stored on site, batch-tested, and then disposed of at the owner's nearby wastewater treatment plant (WWTP). The scope of services also included consulting a citizens' advisory group.

**Specific Involvement:** Mr. Deans served as project manager for the closure of this 65-acre landfill. This project included the design of a landfill gas recovery system and gas flare, a stormwater collection system, and a clay soil cap and cover over the landfill. Due to the proximity of this landfill to residential areas, public meetings to inform the residents of the closure activity were a part of the scope of services

## Presentations

- "Design and Operation of an Ash Monofill," David E. Deans and Mark D. Hammond, First U.S. Conference on Municipal Solid Waste Management: Solutions for the '90s, June 1990.
- "Old Sanitary Landfills and New Water Supplies: Water Resource Considerations," Joint Technical Conference of the American Water Works Association and the Florida Water and Pollution Control Operators Association, July 1988.
- "Compliance in the Real World: Siting, Construction and Closure," Florida Association of Counties, Landfill Management Workshop, September 1987.
- "Impact of a Top Cap Liner on a Closed Landfill," GRCD 24th Annual International Seminar, Equipment and Services Show, August 1986.
- "Controlled Closure – Coping with Past Errors," presented at GRCD 22nd Annual International Seminar, Equipment, Services, and Systems Show, 1984.
- "Modernization of Solid Waste Disposal Facilities in Palm Beach County, Florida," presented at Florida Section ASCE Annual Meeting, 1983.

## Professional Affiliations

- American Society of Civil Engineers (ASCE)
- Florida Engineering Society (FES)
- Solid Waste Association of North America (SWANA)
- Florida Sunshine Chapter, Chapter Treasurer, 2005-2007
- Florida Sunshine Chapter, Chapter President, 2009-2011

# Robert L. Farley, RLA, LEED AP

*Project Manager, Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida  
Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional, Roadside Manager

U.S. Green Building Council (USGBC) LEED AP

ISA Certified Arborist

GRHC Accredited Green Roof Professional

FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects

Florida Native Plant Society

National Roadside Vegetation Management Association

Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

**Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

**Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

**Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Ac.**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

**Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Ac.**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.



## Robert L. Farley

Project Manager

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Ac.**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Ac.**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Ac.**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Ac.**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# B

## Experience with Projects of a Similar Type and Size

### *Environmental Support Services*

### **Relevant Project Experience**

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 role of each

PBS&J offers an experienced project team that possesses expertise in all areas identified under the Environmental Support Services RFP. Project descriptions and team member resumes contained herein provide a representation of our work across the State of Florida and Leon County. With regards to water quality monitoring, we were previously under contract with Leon County to perform this service at more than 80 stream locations across the County. We have worked closely with two subcontractors on projects primarily related to water quality monitoring. Given our long-history of working together, their participation and involvement with our team is virtually seamless. We have also been involved in hydrologic and water quality modeling, and watershed planning projects in various municipalities in other parts of the State which could be readily transferable to Leon County. We understand local, state, and federal environmental permitting and routinely perform environmental assessments concerning a variety of natural resources including wetlands and listed species. Two members of our project team are authorized gopher tortoise agents (surveying, trapping, handling, relocating) and PBS&J has four other authorized agents in Florida. Most projects across the State that involve land disturbing activities be it related to landfills, airports, or new highways have an archaeological survey component. Finally, our landfill monitoring and hazardous materials capabilities involve multiple aspects of site tracking, assessing, and remediating.

#### ***Project 1: Leon County Water Quality and Biological Monitoring Program***

#### ***Leon County, Florida***

#### **Nature of Firm's Responsibility**

This multi-year project for Leon County involved a program to monitor, sample, and analyze its water bodies with an overall goal of gathering scientifically defensible information on the physical, chemical, and biological conditions of surface waters in the county, including water quality status and trends. PBS&J held this contract for over three years until the County brought this work in-house. Sampling included

more than 80 monthly and/or quarterly monitoring stations across numerous streams and lakes throughout the County. PBS&J monitored water quality, sediments, aquatic vegetation, and aquatic macroinvertebrates; completed Stream Condition Index (SCI) assessments; provided data management, analyses, and reporting; coordinated with the County's Water Quality Scientist; and provided other related support. This long-term program monitored water bodies for compliance with state water quality criteria and contributed data to the state Total Maximum Daily Load (TMDL) program. A team consisting of PBS&J and the following sub-consultants worked cooperatively on the project: Test America, Inc. (TA) for analytical laboratory services and related technical support; Water & Air Research, Inc. (W&AR) for SCI sampling, benthic taxonomy and related field and technical services; and Florida Environmental & Land Services, Inc. for field services.

#### **Project Owner's Contact Information**

Johnny Richardson  
Leon County Public Works  
2280 Miccosukee Road  
Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

September 2009

#### **Key Personnel Involved and Roles**

Scott Zengel, Ph.D., PWS, Principal, QA/QC  
Pam MacRae, Ph.D., Project Manager, QA/QC, Data Analysis and Report Preparation  
Rebecca Berzinis, Senior Scientist, QA/QC-SCI  
Evan Hunter, Scientist, Lead Coordinating Professional  
Dave Tomasko, Ph.D., Senior Scientist, Project Technical Professional Support Committee  
Bob Woithe, Ph.D., Principal Scientist, Project Technical Professional Support Committee  
Test America (subcontractor), Water/Sediment Chemistry Laboratory Analysis  
Water and Air Research (subcontractor), SCI/Benthic Taxonomy  
Florida Environmental & Land Services, Inc. (subcontractor), Field Services

#### ***Project 2: Leon County Department of Public Works (LCDPW), General Engineering Contract Services Leon County, Florida***

#### **Nature of Firm's Responsibility**

Completed all gopher tortoise surveys, permitting, excavation, and relocation associated with the Killlearn Lakes Stormwater Improvement Areas. PBS&J also provided on-site consultation and construction impacts monitoring to the client following burrow identification in the construction area. Additionally, the firm negotiated and secured permits from Florida Fish & Wildlife Conservation Commission to excavate additional burrows in the construction area. PBS&J provides ongoing Natural Features Inventory (NFI) and Environmental Impact Analysis (EIA) permit application and acquisition services for multiple LCDPW projects.

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**Project Owner's Contact Information**

Wayne Toothman  
Department of Environmental Growth and Management  
Renaissance Center, 2nd Floor  
435 North Macomb Street  
Tallahassee, FL 32301-1019  
850.606.1369

**Project Completion Date**

April 2009

**Key Personnel Involved and Roles**

Mike Scibelli, PE, Project Manager  
Austin Carroll, Senior Scientist, Deputy Project Manager  
Hal Fravel, Scientist, Lead Coordinating Professional  
Craig Hedman, Ph.D., QA/QC

***Project 3: General Solid Waste Consultant Services  
Sarasota County, Florida*****Nature of Firm's Responsibility**

This project for Sarasota County consisted of providing general solid waste consultant services on an as-needed basis. Services provided included investigating leachate management and disposal alternatives, investigating inward gradient problems, and developing the county's first design-build construction project for the closure of the Bee Ridge Landfill. Additional services consisted of assisting the county in privatizing the operation of the new central county landfill, conducting an evaluation of the Bee Ridge Landfill gas collection system, preparing the county's Title V applications for both county landfills, and completing the annual reporting for the county according to regulations established by the Florida Department of Environmental Protection (FDEP).

**Project Owner's Contact Information**

Gary Bennett  
Solid Waste Operations Manager  
Sarasota County  
1301 Cattlemen Road  
Sarasota, FL 34232  
941.650.2079

**Project Completion Date**

April 2006

**Key Personnel Involved and Roles**

David E. Deans, Project Manager

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***Project 4: Peace Creek Watershed Sustainable Water Resource Management Plan  
Winter Haven, Florida***

**Nature of Firm's Responsibility**

PBS&J developed a water resources management plan, with significant stakeholder participation, to meet the future water resource needs of the community. The objectives of the plan are to restore as much as possible the networking of water that existed before the watershed was altered and conserve the surface water and groundwater resources of the city for human and environmental use. The backbone of the plan is an interconnected network of lakes, canals, wetlands, aquifers, open spaces, and parks, designed to meet the long-term water resource needs of the community, including supply (water quantity), treatment (water quality), flood protection, and the preservation of natural resources. It is an investment in the City's natural infrastructure—preserving and enhancing the innate ability of the watershed's unique landscape to provide multiple water resource benefits—as opposed to engineered infrastructure. In the long-term, using the natural landscape to provide these benefits will result in a less costly, more efficient water supply system for people and the environment.

The story of Winter Haven and the Peace Creek watershed not only provides compelling reasons why the protection and restoration of water resources are essential to a community's future, but the City of Winter Haven's ongoing efforts also serve as a good example of how other communities can work to understand and manage their water resources. Animated and pdf versions of the plan can be obtained at: <http://www.pbsj.com/WHSP/Pages/default.aspx>.

The project is described in an article in the November/December 2009 issue of *Stormwater Magazine* (Singleton, Brown, Pfahler, Wapnick, and Britt, November/December 2009: 20-33. "Sustainable Water Resource Management: A Conceptual Plan for the Peace Creek Watershed and the City of Winter Haven, Florida." *Stormwater Magazine*).

**Project Owner's Contact Information**

Mike Britt, PE  
Director, Natural Resources Division  
City of Winter Haven  
451 Third Street, NW  
Winter Haven, Florida 33881  
863.291.5881

**Project Completion Date**

November 2010

**Key Personnel Involved and Roles**

Tom Singleton, Project Director and Principal Author  
Cheryl Propst, CE, Project Manager  
Doug Robison, PWS, Principal, QA/QC  
Dave Tomasko, Ph.D., Senior Scientist  
Pam Latham, Ph.D., Principal Scientist

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Ralph Montgomery, Ph.D., Principal Scientist  
Bob Woithe, Ph.D., Principal Scientist  
Ed Cronyn, PWS, Senior Scientist

***Project 5: Seminole County TMDL Support Contract  
Seminole County, Florida***

**Nature of Firm's Responsibility**

PBS&J reviewed TMDLs and pollutant load reduction targets for Lake Jessup, Lake Monroe, Lake Harney, and portions of the St. Johns River, as well as reviewing EPA's proposed numeric nutrient criteria (NNC) and its implications to Seminole County. For the TMDL review, it was determined that cyanobacteria (also known as blue-green algae) in Lake Jessup was the basis for much of the in-lake nitrogen exported out of Lake Jessup and into the St. Johns River. Only by removing accumulated mucky sediments would in-lake phosphorus concentrations be low enough to reduce the abundance of cyanobacteria in the lake.

The NNC proposed by EPA were found to be of little consequence to Seminole County's lakes, as the number of "impaired" lakes did not change significantly. However, most surface water streams in Seminole County would be declared impaired using EPA criteria. Based on similar work in Osceola County, it was determined that much of the "elevated" levels of nitrogen in streams in central Florida could actually be coming from wetland drainage, as levels of nitrogen and tannin appear to be positively correlated. PBS&J's recommendation was that projects should not be implemented to meet TMDL load reduction targets until the basis for the elevated nitrogen concentrations could be more thoroughly documented. This will ensure that water quality restoration projects can reasonably be expected to result in water quality improvements.

**Project Owner's Contact Information**

Kim Ornberg, PE  
Principal Engineer  
Seminole County  
149 Bush Loop Drive  
Sanford, Florida 32773  
407.665.5738

**Project Completion Date**

November 2009

**Key Personnel Involved and Roles**

Joe Walter, PE, Project Manager  
Dave Tomasko, Ph.D., Principal Scientist  
Emily Keenan

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## ***Project 6: Collier County Watershed Model Update and Plan Development Collier County, Florida***

### **Nature of Firm's Responsibility**

PBS&J developed a Comprehensive Countywide Water Management Plan (WMP) for all the watersheds in the county. The primary goal of the plan is the protection of estuaries and wetland systems in the county. It includes recommended solutions to balance the water supply, flood protection, estuarine, ecological, and water quality needs of the County. The recommended strategies and projects contribute to increased groundwater recharge for potable water supply, consider restoration of wetland habitat, provide protection from flooding in urban areas, and meet water quality requirements of TMDLs.

One of the project tasks was to examine pollutant loading models and TMDL targets for FDEP's impaired water bodies including the Gordon River and Lake Trafford. It was determined that FDEP's basis for developing TMDLs was problematic and that the established impairments may actually represent natural conditions. PBS&J worked with the County to examine the impairments in more detail to avoid implementing projects that may not help restore water quality. Computer modeling and statistical analyses were conducted to assess current discharge conditions to estuaries and identify restoration targets. The hydrologic, hydraulic, and water quality analyses necessary for this project were conducted using a MIKE SHE MIKE 11 integrated surface water-groundwater model. The model integrates the surface water and groundwater systems and is capable of providing two-dimensional overland flow, dynamic open channel flow, and a three-dimensional groundwater component. It includes the primary, and most of the secondary drainage system and more than 200 operable structures (amil gates, slide gates, etc.), weirs, and culverts.

### **Project Owner's Contact Information**

Mac Hatcher  
Environmental Specialist  
Collier County  
2800 North Horseshoe Drive  
Naples, Florida 34104  
239.252.2954

### **Project Completion Date**

February 2011

### **Key Personnel Involved and Roles**

Moris Cabezas, Ph.D., PE, Project Manager  
Dave Tomasko, Principal Scientist

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***Project 7: Northwest Florida Beaches International Airport  
(NWFBI) Water Quality Monitoring and Mitigation Services  
Panama City, Florida***

**Nature of Firm's Responsibility**

PBS&J has coordinated and executed preconstruction, construction and post-development water quality, sediment chemistry and biological monitoring in waters downstream of the relocated NWFBI as a condition of the Florida Department of Environmental Protection Wetland Resource Permit and the Section 404 Permit issued by the Department of the Army. This monitoring started in 2002 and is ongoing. The purpose of the monitoring program is to document water quality conditions in downstream water bodies prior to and during airport construction and post-development periods, detect any significant changes in water quality, determine if those changes in water quality are the direct result of activities or conditions on the airport property, and take corrective action to alleviate water quality degradation, if any, related to construction or operation of the airport. Fifteen sampling events for nineteen stations have been completed and associated reports have been written and submitted to state and federal regulatory agencies. A team consisting PBS&J and the following sub-consultants works cooperatively on the project: Test America, Inc. (TA) for analytical laboratory services and related technical support; and Water & Air Research, Inc. (W&AR) for SCI sampling, benthic taxonomy and related field and technical services. PBS&J also conducted archaeological studies in support of this project. PBS&J coordinated the overall environmental planning and permitting, mitigation plan development, and preliminary engineering for the relocation project. PBS&J currently manages all mitigation scheduling, plan modification, implementation, monitoring, contractor coordination, and quality assurance/quality control (QA/QC) measures on the approximately 10,000 acre mitigation area.

**Project Owner's Contact Information**

Randall Curtis  
Executive Director  
Panama City-Bay County Airport and Industrial District  
6300 West Bay Parkway  
Panama City Beach, FL 32409  
850.763.6751

**Project Completion Date**

June 2016

**Key Personnel Involved and Roles**

William Lynn, Principal and Project Manager, QA/QC  
Rebecca Berzinis, Senior Scientist, Deputy Project Manager QA/QC-SCI  
Cheryl Propst, CE, QA/QC, Data Analysis and Report Preparation  
Hal Fravel, Scientist, Lead Coordinating Professional  
Scott Zengel, Ph.D., PWS, QA/QC  
Dave Tomasko, Ph.D., Senior Scientist, Project Technical Professional Support Committee  
Bob Woithe, Ph.D., Principal Scientist, Project Technical Professional Support Committee  
Test America (subcontractor), Water/Sediment Chemistry Laboratory Analysis  
Water and Air Research (subcontractor), SCI/Benthic Taxonomy

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***Project 8: St. Joe Company Water Quality Monitoring and Other  
Environmental Support Services  
Franklin County, Florida***

**Nature of Firm's Responsibility**

Environmental services provided for this project include water quality and seagrass monitoring associated with FDEP stormwater permit compliance; wetland and groundwater monitoring associated with Northwest Florida Water Management District consumptive use permit compliance; dredge and fill permit compliance support; dredge and fill permit modifications; and miscellaneous support related to environmental compliance. Dredge and fill permitting with FDEP included a joint individual Wetland Resource Permit/Sovereign Submerged Lands Authorization, and permitting with the USACE included a joint Section 404/Section 10 individual permit. Water quality monitoring included quarterly sampling of surface water and surficial aquifer groundwater stations and annual sampling of sediment and intermediate aquifer groundwater stations to fulfill permit requirements and implement a stormwater monitoring plan. PBS&J also provides management recommendations and coordination with St. Joe biologists regarding road removal, hydrologic restoration, vegetation planting, sea turtle issues, prescribed burning, urban-wildlife interactions, Firewise Community standards, and community education. PBS&J is also conducting archaeological studies in support of this project.

**Project Owner's Contact Information**

Larry Fletcher  
SummerCamp Project Manger  
108 Sea Pine Drive  
St. Teresa, FL 32358  
850.402.5141

**Project Completion Date**

September 2011

**Key Personnel Involved and Roles**

Scott Zengel, Ph.D., PWS, Principal, QA/QC  
Austin Carroll, Senior Scientist, Project Manager and Report Preparation  
Rebecca Berzinis, Senior Scientist, QA/QC, Data Analysis and Report Preparation  
Cheryl Propst, CE, QA/QC, Data Analysis and Report Preparation  
Hal Fravel, Scientist, Lead Coordinating Professional  
Dave Tomasko, Ph.D., Senior Scientist, Project Technical Professional Support  
Committee  
Bob Woithe, Ph.D., Principal Scientist, Project Technical Professional Support  
Committee  
Test America (subcontractor), Water/Sediment Chemistry Laboratory Analysis

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## ***Project 9: West Bay Parkway (CR 388) Project Development and Environment (PD&E) Study Bay and Walton Counties, Florida***

### **Nature of Firm's Responsibility**

Two Project Development and Environment (PD&E) Studies have been initiated by the Florida Department of Transportation (FDOT) to be known as the West Bay Parkway. Segment 1, proposes to extend County Road (CR) 388 from State Road (SR) 30A (US 98) in Walton County to State Road (SR) 79 in Bay County. Segment 1 will extend CR 388 and provide a new four-lane, divided highway and potentially a new high-level bridge across the Intracoastal Waterway (ICWW). This proposed extension is estimated to be between 11.5 and 19.0 miles long, depending on the alternative selected. Segment 2 proposes to widen existing CR 388 from SR 79 to SR 77 in Bay County, Florida. Segment 2 involves improvements to CR 388 which include widening the existing two-lane rural highway to a four-lane divided rural highway with bicycle/pedestrian access and stormwater treatment facilities. In addition, it is proposed to replace the existing bridges at Crooked Creek and Burnt Mill Creek; to relocate the existing intersections of CR 388 at SR 79 and SR 77; and to construct a new intersection with the access road to the Northwest Florida Beaches International Airport. This segment is estimated to be approximately 12 miles long. PBS&J ecological and environmental services include desktop and field assessments and reporting pertaining to wetlands, T&E wildlife and plant species and essential fish habitat. PBS&J is also conducting archaeological studies in support of this project. Segment one will result in the development of an environmental impact statement under NEPA while Segment two will culminate in an environmental assessment.

### **Project Owner's Contact Information**

Brandon Bruner  
FDOT District 3  
1074 Highway 90 East  
Chipley, FL 32428  
850.415.9625

### **Project Completion Date**

November 2014

### **Key Personnel Involved and Roles**

Craig Hedman, Ph.D., Environmental/Ecological Project Manager  
Scott Zengel, Ph.D., PWS, Principal, QA/QC  
Larry Olney, Senior Scientist, Wetlands and T&E Species Assessments  
Austin Carroll, Senior Scientist, T&E Species Assessments  
Hal Fravel, Scientist, Wetlands and T&E Species Assessments

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## ***Project 10: Timberlake Pond Leon County, Florida***

### **Nature of Firm's Responsibility**

PBS&J was retained by the Leon County Public Works to conduct a Phase I cultural resources assessment of a proposed 8.2-acre stormwater pond immediately adjacent to the Timberlake residential development in eastern Leon County. The construction of the stormwater pond is designed to alleviate flooding in the neighborhood. The purpose of this investigation was to locate and identify historic properties situated within the subject tract and to assess the significance of such properties in accordance with the provisions contained in 36 C.F.R. 60.4 ("Criteria for Evaluation"). The assessment and evaluation consisted of a review of related source materials and a field survey, including subsurface testing. The project methodology was designed to comply with applicable local ordinances, Section 267.061, Florida Statutes, Chapter 1A-46, Florida Administrative Code and reporting standards outlined in the Cultural Resources Management Standards & Operational Manual, Module Three - Guidelines for Use by Historic Preservation Professionals - Section 2.0.

The area of potential effect for this project is considered to be the wedge-shaped circa 8.2-acre tract located in Section 1, Township 1 South, Range 1 East (Figure 1). Currently, the subject tract is in an open pasture contiguous to the Timberlake subdivision. According to the Leon County Property Appraisers database, the residences in the Timberlake neighborhood were built in the mid-1980s through the mid 1990s. Erosion abatement terraces are present along the extreme western project boundary. There is also what appears to be a lift station in the northwestern corner of the tract.

### **Project Owner's Contact Information**

Kimberly Wood, PE  
Chief of Engineering Coordination  
Leon County Public Works  
2280 Miccosukee Road  
Tallahassee, FL 32308  
850.606.1500

### **Project Completion Date**

February 2011

### **Key Personnel Involved and Roles**

Frank Keel, Senior Project Archaeologist/Principal Investigator

### Current Relevant Projects

PBS&J has extensive experience similar in size and scope the advertised projects. Specific experiences includes that represented on the chart that directly follows.

Project Name	Description	Applicable Project Components										
		Technical and Scientific Testing	Environmental Analysis	Environmental Investigations	Water Quality	Environmental Assessments	Remedial Action Plans	Archeological Assessments	Hazardous Materials Issues	Landfill Monitoring	Permit Compliance	Public Involvement
<b>Northwest Florida Beaches International Airport (NWFBI) Water Quality Monitoring and Mitigation Services Gulf to Bay Highway US 98 Realignment Segment 3</b> Gulf County, Florida	Permit compliance monitoring	■	■	■	■	■		■			■	■
<b>St. Joe Company Quality and Mitigation Monitoring (SummerCamp)</b> Franklin County, Florida	Permit compliance monitoring	■	■	■	■	■		■			■	
<b>St. Joe Company Mitigation Monitoring (WindMark)</b> Port St. Joe, Florida	Gopher tortoise monitoring, coordination, and wetland enhancement	■	■	■	■	■					■	
<b>FDOT US 98</b> Fort Walton Beach, Florida	Environmental reports and wetlands permitting	■	■	■	■	■		■			■	■
<b>West Bay Parkway</b> Panama City, Florida	PD&E Study, EA, EIS		■	■		■					■	■
<b>Gulf Coast Parkway</b> Gulf County, Florida	PD&E Study, EIS	■	■	■		■		■			■	■

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## ***Quality Assurance Process and Procedures***

A quality work product is one that meets the requirements of our client contract and is prepared in accordance with accepted standards of professional practice. A key component in our ability to deliver projects on time and within budget is the structured adherence to our Quality Control & Assurance for Projects (QCAP) Manual. By specific corporate policy, every project deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice and in accordance with the requirements of our client contract. QCAP requires project managers to document in a project control plan how the project will proceed. Specific elements of this project control plan include:

- Project description with notation of special project issues
- Detailed scope
- Schedule with tasks, milestones, deliverables, staffing plans, production plans, and quality control plans
- Budgets
- Communication plans
- Document control plans
- Internal kick-off meeting agenda and minutes

## ***The Five-Step Quality Control Review Procedure***

A five-step quality control review procedure is implemented in order to monitor the progress of the work. Specific elements of this process include:

1. The lead technical professional responsible for the work refines it, saying in effect, it is ready to go out.
2. The work is given to a second, qualified person or QC reviewer who reviews it and notes any recommended modifications. (On highly complex projects, there could be several QC reviewers).
3. The two professionals reach consensus on the suggested revisions.
4. Changes are made by the lead technical professional.
5. Changes are verified by the QC reviewer.

On a periodic basis, a corporate-level audit is conducted on all of PBS&J's operating units to confirm compliance with QCAP plan. PBS&J's QCAP plan is designed to provide senior-level technical guidance throughout the duration of a project. It increases even more the chances of doing the job right the first time around—which is our ultimate aim. It also assists us in focusing our energies on areas in need of improvement and promotes continuous enhancement in all of PBS&J processes, services, and deliverable products. We strive to make it easy for Leon County to select/re-select us by producing consistently excellent work.

## ***Basic and Special Resources***

Boat – 19' Key Largo outboard with trailer, Boat – 13' John boat with outboard motor and trailer, Boat – 13' Gheeno canoe/boat with go devil motor and trailer,

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Truck – Ford F150 Pickup, Truck – Chevy Silverado 1500 Pickup, ATV – Yamaha Kodiak 400 4x4 with trailer, GPS- Trimble Nomad with ArcPad, GPS – Trimble XR with Terrasync, GPS – Garmin Hand Held Unit, YSI 600XLM (Deployable - Logging with Internal Memory and Power), YSI 6920 VZ (Deployable –Logging with Internal Memory and Power), Hydrolab Minisonde, Lamotte 2020e Turbidity Meter, In-Situ Inc., Rugged Reader with Windows Mobile, AquaVue Camera (Gopher Tortoise Burrow Scope), Holohil Gopher Tortoise Radio Transmitters, Automatic [Transmitter] Receiving Units (ARU) with 25 ft Antenna Towers, Handheld [Transmitter] Receiving Units with Yagii Antennas, Flow Meter – Global Water, FP201 Flow Probe, Salinity refractometer, Sediment Corer, Soil Sharpshooter and Soil Probe, DBH measuring tape, Clinometer, Software (Win-situ, ArcPad, Terrasync, Eco-Watch, Pathfinder). +++



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.



# D

## Effect of Firm's Recent, Current and Projected Workload

Environmental Support Services

### Current Projects and Completion Dates

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

Projects Currently Under Contract		
Project Name	Description	Anticipated Completion Date
<b>Northwest Florida Beaches International Airport (NWFBI) Water Quality Monitoring and Mitigation Services</b> Panama City, Florida	Permit compliance monitoring	2016 (water quality) 2013 (Mitigation)
<b>St. Joe Company Water Quality Monitoring (SummerCamp)</b> Franklin County, Florida	Permit compliance monitoring	2011 (December)
<b>St. Joe Company Mitigation Monitoring (WindMark)</b> Port St. Joe, Florida	Permit compliance monitoring	2014
<b>FDOT US 98</b> Fort Walton Beach, Florida	Environmental reports and wetlands permitting; plans, development and environment study (PD&E)	2012
<b>West Bay Parkway</b> Panama City, Florida	PD&E Study, EA, EIS	2014
<b>Gulf Coast Parkway</b> Gulf County, Florida	PD&E Study, EIS	2011 (August)

### Ability to Absorb Leon County Projects

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

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

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PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. ***PBS&J will be fully available and accessible to meet the needs of the County.***



# E

## Effect of Project Team Location

*Environmental Support Services*

### **Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### **Community Involvement**

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



*Environmental Support Services*

## **Approach to Accepting and Completing Projects**

*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.*

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

### ***Step 1: Kickoff Meeting***

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

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### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.

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## ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

## ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

## ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

## ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

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Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

### ***Peer Review/Quality Assurance Plan***

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.







*Construction Engineering and Inspection*

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Construction Engineering and Inspection	13	18	18

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.*

*Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.



## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter > Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050  
  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise*

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killlearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### ***HSA Consulting Group, Inc. (HSA) – Survey***



**HSA Consulting Group**

*HSA*  
 1648 Metropolitan  
 Circle, Suite A,  
 Tallahassee, FL  
 32308  
 ph. 850.309.7510  
 fax: 850.309.0246  
 Certified Minority  
 Business Enterprise  
 (MBE) with the State  
 of Florida Department  
 of Management  
 Services Office  
 of Supplier  
 Diversity; certified  
 Disadvantaged  
 Business Enterprise  
 (DBE) with the  
 Florida Department  
 of Transportation  
 (Work Group 9.1);  
 MBE/WBE state and  
 local certifications  
 throughout Florida

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### **HSA Local Experience**

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### **Nodarse & Associates, Inc. (N&A) – Geotechnical**

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for

most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter>Mitchell*  
117 South  
Gadsden Street  
Tallahassee,  
Florida 32301  
Ph. 850.681.3200  
fax 850.681.7200

### ***Salter > Mitchell, Inc. – Public Relations***

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

### ***Salter Mitchell Local Experience***

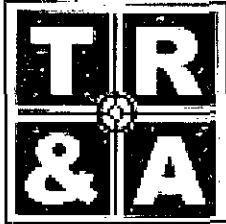
- Killlearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations



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## ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

### **TR&A Local Experience**

- “M” Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney ‘Z’/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

# Construction Engineering and Inspection Services



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Steven W. Martin, PE**  
Senior Project Engineer  
Orlando

**Judith A. Sobczak**  
QA/QC  
Tampa

**Harry L. Wood**  
Program Administrator  
Tallahassee

**Ashley W. Anderson, PE**  
Contract Support Specialist  
Tallahassee

## Bridge Construction Engineering

**Eric L. Rosenstein, PE**  
Resident Project Engineer  
Tallahassee

**Daryl A. Goss**  
Senior Roadway Inspector  
Tallahassee

**Spence Moldovan**  
Senior Bridge Inspector  
Tallahassee

**Donald Lee Philips**  
Bridge Inspector  
Tallahassee

## Milling and Resurfacing

**Jerry D. McClure Jr.**  
Project Administrator  
Tallahassee

**Christopher J. Todd**  
Senior Roadway Inspector  
Lake City

**Christopher A. McKenzie**  
Jacksonville

**Chad N. Chancey**  
Tallahassee

Roadway Inspectors

**Melvin G. Skipper Jr.**  
Asphalt Plant Inspector  
Tallahassee

## New Construction/ Intersection

**O. Scott Stoutamire**  
Project Administrator  
Tallahassee

**Joseph P. Clark**  
Senior Roadway Inspector  
Tallahassee

**Timothy L. Cullen**  
Senior Drill Shaft Inspector  
Tallahassee

**Jeremiah Vickers**  
Drill Shaft Inspector  
Tallahassee

**Robert L. Farley, RLA, LEED AP**  
Certified Arborist  
Tallahassee

# Michael A. Scibelli, PE

*Client Service Manager, Project Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall Client Service Manager for every civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the Primary Client Service Manager for Leon County and he has served as the Project Manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for several years and he is committed to continuing to be Leon County's Client Service manager and a Project Manager for Leon County to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA big bend chapter as Projects of the Year. One such project was the Killlearn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1300 residents of Killlearn Lakes Plantation Units 1 & 2. The neighborhood had experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5% of the County's original budget estimate. During the entire project, only one tree was removed after over 100,000 feet of sewer pipe had been installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the City limits. This project was permitted and built and the final cost was approximately 20% below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association

Water Environment Federation (WEF)

Society of American Military Engineers (SAME)

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the past 10 years**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

**Recent Leon County Projects:**

**Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killlearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

**Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

**Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

**Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killlearn Lakes Sidewalks Design, Permitting & Construction Administration.

**Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

**Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

**Utility Engineering**

- Project manager for Killlearn Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# Steven W. Martin, PE

*Senior Project Engineer*

*Past Job Assignments:* Senior Project Engineer, Program Manager, Project Manager

*Years with PBS&J:* 10

*Years with other firms:* 10



## Education

B.S., Civil Engineering, Auburn University, 1989

## Registrations/Licenses

Professional Engineer  
Florida, 47308, 1993  
Alabama, 19783, 1994

## Certifications

Florida Department of  
Transportation  
(FDOT)/Construction Training  
Qualification Program (CTQP)  
Certifications  
Advanced Maintenance of Traffic  
American Concrete Institute  
(ACI)  
Certification  
Asphalt Paving – Levels I and II  
Drilled Shaft Inspector  
National Pollutant Discharge  
Elimination System (NPDES)  
Nuclear Density/Moisture Gauge  
Safety Course  
Quality Control Manager

## Honorary Appointments

DBIA Transportation Committee,  
2001-Present  
Florida Institute of Consulting  
Engineers (FICE) Design-Build  
Committee,  
1999-Present

Mr. Martin 20 year background primarily includes program management, construction management/construction engineering and inspection (CEI) services, project management, transportation engineering, and design-build services.

Mr. Martin's recent project experience includes:

### **SR 65 Liberty County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$9.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Martin serves as the senior project engineer for this \$2.5 million project that intended to decrease the wildlife mortality along SR 63 (US27/ North Monroe Street) in Tallahassee, FL. The improvements consisted of constructing two wildlife crossings (box culverts), wildlife barrier wall (sheet pile walls, gravity walls, retaining walls and box culvert wing walls), milling and resurfacing of existing lanes, and miscellaneous drainage structures.

### **Lake Jackson Eco Passage, FDOT District Three**

**Type of Project: Drainage and Wildlife Crossing**

**Size of Project: \$2.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Martin served as the senior project engineer for this project. The construction of the Lake Jackson Ecopassage is the result of a long-term grassroots and local government effort to decrease wildlife mortality along SR 63 (US 27/North Monroe Street) between Lake Jackson and Little Lake Jackson. Wildlife regularly moves between these two water bodies across the roadway resulting in vehicle strikes that endanger both wildlife and motorists. The improvements under this \$2.5 million, 290-day project contract consist of constructing two wildlife crossings (box culverts) and a wildlife barrier wall (sheet pile walls, gravity walls, retaining walls, and box culvert wing walls) to direct wildlife under the roadway, as well as milling and resurfacing of existing lanes and miscellaneous drainage structures.

### **SR 30A Tidal Culvert Replacement, FDOT District Three**

**Type of Project: Bridge Replacement**

**Size of Project: \$2.8 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Martin as senior project engineer on this project that replaced 2 existing culverts on SR 30A in Gulf County with 2 single span bridge structures on 24 inch square pre-stressed concrete piling foundations. The bridges were constructed using pre-cast deck slabs and poured keyways. Concrete sheet pilings were driven around the bridge abutments prior to pile installation. Stainless steel anchors were used to secure the sheetwall through the substructure cap. The concrete used on the project contained polymeric fibers to increase cracking resistance.

### **I-10, Gadsden County, Florida, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$25.2 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Martin serves as the senior project engineer for this \$24 million FDOT milling and resurfacing improvements project on I-10 includes edge-drain replacement, fencing replacement, and drainage

improvements.

**US 98 (SR 30) Hurricane Dennis Repairs, Franklin County, Florida, FDOT District Three.**

**Type of Project: Coastal Repair and Protection**

**Size of Project: \$35.6 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Martin serves as the senior project engineer for this permanent repair project consists of soldier pile, sheet piling, and articulating concrete block to enhance shore protection. The project budget is \$34.7 million.

**Capital Circle Southeast, Leon County, Florida (Blueprint 2000)**

**Type of Project: Multi-lane Widening**

**Size of Project: \$43.4 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Project director responsible for environmental permitting, design, construction contract administration, and engineering services. This fasttrack design-build project had an overall value of \$36 million. The project involved turning a two-lane rural section into a six-lane urban roadway. Nine stormwater ponds were constructed as well as sidewalk, lighting, curb and gutter, and a multiuse path along the entire three miles of the project. Major utility relocations were successfully completed including nine fiber-optic lines, overhead electric, telephone, and an underground electric duct bank. A joint project agreement (JPA) with the City of Tallahassee involved the construction of sanitary sewer, water, and a reuse water line along the new roadway.

**Capital Circle Northwest, Tallahassee, Leon County, Florida, FDOT District Three.**

**Type of Project: Multi-lane Widening**

**Size of Project: \$24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Senior engineer responsible for construction contract administration and engineering services. This multilane roadway, new urban construction project involved providing CEI services including utility coordination, public involvement, project administration, materials testing, and contract compliance for SR 263 (Capital Circle NW) from SR 10 (US 80) to SR 8 (I-10) in Tallahassee.

**Hurricane Ivan Emergency Management Services, Escambia/Santa Rosa Counties, Florida, FDOT District Three.**

**Type of Project: Reconstruction**

**Size of Project: \$23.3 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Senior project engineer responsible for construction contract administration and engineering services. This natural disaster emergency contract involved emergency services in the aftermath of Hurricane Ivan for Escambia County east and west of the Bob Sikes Bridge, Escambia County State Park, Santa Rosa County's Navarre Beach, and Escambia County's Fort Pickens Federal Park. The scope of work included CEI services for the clearing and reconstruction of nearly 25 miles of state highways, coordination of five separate construction contracts totaling \$23.3 million, management of the design for the relocation of two sections of CR 399, and management of the restoration of Navarre Beach State Park.

# Harry L. Wood

**Program Administrator**

**Past Job Assignments:** Project Manager, Project Administrator

**Years with PBS&J:** 5

**Years with other Firms:** 28



## Certifications

FDOT Advanced MOT

Certified Public Manager, Levels 1 and 2

Consultant Construction Engineer Inspection (CEI) Project Manager

CTQP Final Estimates Level 2

National Pollutant Discharge Elimination System (NPDES)

CTQP QC Manager

## Professional Development

Federal Project Coding

LIMS, Module 1

Mutual Gains Approach to Negotiation

Claims/Deposition

Construction Claims Management Training

Density Earthwork Inspection Training (DEIT)

Construction Contract Interpretation Project Engineers School

Accident Investigation and Reports

HAZMAT Transporting

Earthwork, Density Record System Claims, Negotiation and

Documentation

Flexible Pavement Design

Contract Estimating Systems

Application of Traffic Control in Work Areas

Traffic Controls/Safe Practices

Mr. Wood has 34 years of experience with construction management. He has worked for over 27 years with the Florida Department of Transportation (FDOT) and has extensive construction, design, and project management experience. In addition, Mr. Wood maintains numerous construction related certifications.

His relevant work experience includes:

### SR 65 Liberty County, FDOT District Three

**Type of Project:** Milling and Resurfacing

**Size of Project:** \$9.5 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Wood is the Project Administrator on the \$9.5 million project Telogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

### Buck Lake /Pedrick Road Improvements, Leon County

**Type of Project:** Reconstruction

**Size of Project:** \$4.9 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Wood is the project administrator for this \$4.9 million project in Leon County. The improvements under this contract consist of the reconstruction of the Pedrick/Buck Lake intersection including turn lane, curb and gutter, drainage, signal upgrades and landscaping. The widening of Buck Lake Road to include 2 travel lanes and 2 adjacent bike lanes and sidewalks.

### Lake Jackson Ecopassage, FDOT District Three

**Type of Project:** Drainage and Wildlife Crossing

**Size of Project:** \$2.5 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Wood served as the project administrator for this \$2.5 million project that intended to decrease the wildlife mortality along SR 63 (US27/ North Monroe Street) in Tallahassee, FL. The improvements consisted of constructing two wildlife crossings (box culverts), wildlife barrier wall (sheet pile walls, gravity walls, retaining walls and box culvert wing walls), milling and resurfacing of existing lanes, and miscellaneous drainage structures.

### US 98 Franklin County Hurricane, FDOT District Three

**Type of Project:** Coastal Repair and Protection

**Size of Project:** \$35.6 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Wood served as the part-time project administrator for this permanent repair project consisting of soldier pile, sheet piling and articulating concrete block to enhance shore protection. *June 2007 to*

### US 98 Realignment, St. Joe Timberland Company

**Type of Project:** New Roadway and Bridge Construction

**Size of Project:** \$13.5 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Wood served as the project manager on the US 98 realignment project in Gulf County for St. Joe Towns and Resorts. This project consisted of constructing a new two-lane highway to move old US 98 away from the beach. This project also included major earthwork, drainage and



Harry Wood  
*Program Administrator*

two bridges.

**River City Marketplace**

**Type of Project: Site Development**

**Size of Project: \$500 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Wood served as the project administrator who was responsible for monthly pay application for a \$500 Million commercial development that encompassed 487 acres in Duval County. The project included all the utility work, gas, water, sewer, electrical, lighting, signalization and interior road construction and parking lots.

# Judith A. Sobczak

**National Construction Quality Assurance/Quality Control Manager**

**Past Job Assignments:** Contract Support Specialist

**Years with PBS&J:** 19

**Years with other Firms:** 13



Ms. Sobczak has 32 years of diversified construction experience. Currently, Ms. Sobczak is involved at the onset of projects to help project teams create and follow through with project quality control plans to ensure document controls are in place, based on each contract and scope of work; staffing is per the client's requisites; and technical functions are performed in accordance with permit and contractual requirements. Her subsequent reviews are conducted independently or through the use of PBS&J resources in specialty areas. If discrepant areas are noted during a review, Ms. Sobczak determines whether or not staff training will correct the issue and then provides the training. In addition, she is working on developing a corporate-wide ISO 9001:2008 quality assurance program that will ensure all client and regulatory requirements are met.

## Certifications

Troxler Nuclear Testing Equipment  
ACI Concrete Field Testing  
Technician – Level I  
CTQP Final Estimates – Level I  
CTQP Final Estimates – Level II  
CTQP QC Manager  
FHWA Contract Administration  
FDOT Construction Academy

## Professional Affiliations

Construction Management  
Association of America (CMAA)

West Florida CMAA Chapter  
President, 2007-2008

American Society of Quality  
CTQP Provider/Instructor

## Professional Development

Microsoft Project for Windows  
Primavera Project Planning and  
Scheduling  
Primavera Creating Reports and  
Graphics  
FDOT: Final Estimates, Contract  
Plan Reading, Engineering  
Menu Systems, Multi-Line  
Earthwork – Basic,  
Intermediate and Advanced,  
Density Logbook Maintenance,  
Construction Claims, Financial  
Manager's Workshop, Project  
Manager's Training, Project  
Manager's Training, Lims  
Training

## Honors and Awards

CMAA National 2007 Project

Ms. Sobczak has a solid reputation on past projects with her management of state- and federally mandated personnel compliance issues and has put together and conducted classes with project field staff when changes in construction administration evolve, in order to ensure complete conformity with current Florida Department of Transportation (FDOT) policies and procedures. Finally, Ms. Sobczak is an approved instructor for CTQP Final Estimates Level II. Ms. Sobczak's additional project experience is highlighted below.

### **Project Name: I-4/I-275 Downtown Interchange, Tampa, Florida**

**Type of Project: Interstate Roadway and Bridge Construction**

**Size of Project: \$73.4 Million Construction Engineering Inspection**

**Specific Project Involvement:** This FDOT District Seven project involved the widening of 18 existing bridges and construction of eight new bridges. Bridge work consisted of drilled shaft foundations with concrete and curved steel superstructures; architectural mechanically stabilized earth (MSE) and concrete soundwall construction. Work also included utility relocation, concrete pavement rehabilitation, drainage and pond construction, highway lighting, and signing, as well as extensive landscape and hardscape features. Ms. Sobczak was responsible for negotiation of the CEI contract with the client and handled all contractual issues, including amendments and supplemental agreements. She served as the senior office engineer, responsible for supervising the project office administrative staff and for training an assistant office engineer, as well as all of the duties discussed in the next paragraph.

### **I-4, Segment 1 Reconstruction Construction Management, Tampa, Florida.**

**Type of Project: Interstate Roadway and Bridge Construction**

**Size of Project: \$75 Million Construction Engineering Inspection**

**Specific Project Involvement:** As the office engineer for this FDOT District Seven project, Ms. Sobczak was responsible for verifying and tracking quantities, stockpiled materials, materials' certifications, and material quality record keeping. She prepared and submitted monthly estimates for progress payments to the contractor, maintained ongoing status for the final estimates, and assisted in preparing, processing, and tracking the supplemental agreements, change orders, and work orders. Ms. Sobczak was involved in the critical path method (CPM) schedule review, time tracking, and delay claim documentation. She was responsible for the entry of testing reports into the state's mainframe computer. She implemented several procedural methods for tracking quantities and partial payment for the work performed. She is vigilant in ensuring both

# Judith A. Sobczak

National Construction Quality Assurance/Quality Control Manager

Excellence Award  
FTBA Major Interstate Award 2002  
for Outstanding Quality  
Construction

## Publications

CMAA West Florida Chapter  
Newsletter

## Presentations

FDOT Construction Academy  
FDOT Technicians Academy

contractor and inspector compliance with contract documents.

### **Gandy Bridge Replacement CEI Services, Hillsborough and Pinellas Counties, Florida.**

**Type of Project: Bridge Construction**

**Size of Project: \$32 Million Construction Engineering Inspection**

**Specific Project Involvement:** As the office engineer on this FDOT District Seven project, Ms. Sobczak was responsible for verifying and tracking quantities and preparing the monthly progress and final estimates; maintaining the contract time and generating letters; checking and maintaining material logs and field books; generating and tracking project supplemental agreements; making final quantity measurements and entering this data into the Engineering Menu system; recording as-built information on final plans; closing out pay items in project computation books; and writing overrun/underrun explanations for the final estimate.

Ms. Sobczak also served as the project resident compliance officer, enforcing all federal hour and wage rate requirements and equal employment opportunity (EEO) and affirmative action provisions, coordinated with Department compliance staff, and prepared related correspondence. She has completed training in Microsoft Project and reviewed schedule updates, requests for schedule revisions, and the schedule's effect on the project. Ms. Sobczak has also completed Primavera Planning, Scheduling, Final Estimates, Multi-Line Earthwork, and Engineering Menu Systems.

Prior to her promotion to office engineer, Ms. Sobczak served as the project's office manager and resident compliance officer. In addition to office support functions, she maintained project records, generated and tracked supplemental agreement and change order documentation for the project, and prepared and reviewed daily/weekly reports. Furthermore, Ms. Sobczak prepared and monitored contractor's quantities and pay requests, prepared client monthly progress reports/estimates, and checked/maintained concrete and steel reports/logs, as well as entering test data in the state's construction quality reporting network.

### **Missouri Avenue Resurfacing and East/West Bay Widening CEI Services, Pinellas County, Florida.**

**Type of Project: Urban Roadway Construction**

**Size of Project: \$5.4 Million Construction Engineering Inspection**

**Specific Project Involvement:** Ms. Sobczak served as the secretary and equal employment opportunity (EEO) compliance officer for these FDOT District Seven projects. She also assisted the office engineer on the project by generating all supplemental agreement documentation and submittals, performing construction quality reporting entry, maintaining concrete/asphalt reports and logs, verifying takeoff quantities and monthly progress estimates, and assisting with the project's final estimates.

# Ashley W. Anderson, PE

**Contract Support Specialist**

**Past Job Assignments:** Contract Support Specialist, Scheduler

**Years at PBS&J:** 5

**Years with other Firms:** 0



**TIN# A536019836870**

## Education

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

A.A., Okaloosa-Walton College, 2003

## Registrations/Licenses

Professional Engineer, Florida #72255

## Certifications

CTQP Final Estimates Level II

CTQP Final Estimates Level I

FDOT Final Estimates

FDOT Advanced MOT

FDOT Multi-Line Earthwork – Basic

FDOT Multi-Line Earthwork – Intermediate

FDOT Multi-Line Earthwork - Advanced

FDOT Engineering Menu Systems

FDOT District Three ERC Training

Primavera P3e/c Basic Training

Ms. Anderson has five years of experience and currently serves as the contract support specialist for the State Road 65 Milling and Resurfacing project. She is responsible for tracking quantities, stockpiled materials, and certifications. She prepares monthly progress payments to the contractor and maintains ongoing progress of the final estimate. Ms. Anderson assists in the preparation, processing and tracking of supplemental agreements and work orders. She reviews the project documentation for compliance with the Final Estimates standards, archives the documents in Hummingbird and maintains the project files for accuracy and completeness.

Her most recent experience includes the following projects:

### SR 65 Liberty County, FDOT District Three

**Type of Project:** Milling and Resurfacing

**Size of Project:** \$9.5 Million, Construction Engineering Inspection

**Specific Project Involvement:** Ms. Anderson is the contract support specialist on this \$9.5 million project Telogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

### FDOT District Three GEC

**Type of Project:** General Engineering Consultant

**Size of Project:** \$20 Million, Scheduling

**Specific Project Involvement:** Ms. Anderson has developed over 75 schedules for recommendation of contract time, using Primavera P3e/c. She also creates back-up calculations and documentation to support the recommendations given to FDOT. Ms. Anderson also assists in conducting constructability and biddability reviews on Phase II, Phase III, and Phase IV plans to ensure quality and compliance with current FDOT standards and specifications.

### Lake Jackson Ecopassage, FDOT District Three

**Type of Project:** Drainage and Wildlife Crossing

**Size of Project:** \$2.5 Million, Construction Engineering Consultant

**Specific Project Involvement:** Ms. Anderson is the Contract Support Specialist on this \$2.5 million project that is intended to decrease the wildlife mortality along SR 63 (US 27/North Monroe Street) in Tallahassee, FL. The improvements under this contract consist of constructing two wildlife crossings (box culverts), wildlife barrier wall (sheet pile walls, gravity walls, retaining walls, and box culvert wing walls), milling and resurfacing of existing lanes, and miscellaneous drainage structures.

### US 98 Franklin County Hurricane Dennis Permanent Repairs, FDOT District Three

**Type of Project:** Coastal Repair and Protection

**Size of Project:** \$35.6 Million, Construction Engineering Inspection

**Specific Project Involvement:** Ms. Anderson was the contract support specialist on this \$35.6 million project to enhance and repair the shoreline protection along US 98 in Carrabelle, Florida. The repairs included installation of bulkhead panels, sheet piling, soldier piles, articulating block, guardrail, miscellaneous asphalt, and performance turf

along 14.6 miles of coastal highway.

**Capital Circle Southeast, Tallahassee, Florida**

**Type of Project: Multi-lane Widening**

**Size of Project: \$43.4 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Ms. Anderson was involved in updating the engineering and construction CPM cost-loaded schedule for this \$30.8 million design-build roadway improvement project. She prepared monthly CPM schedule submittal packages, including schedule narrative reports, longest path bar charts, and activity code bar charts. She also completed the schedule of value details needed for the generating the monthly invoice. Ms. Anderson was also responsible for generating the two-week look-ahead schedule for the bi-weekly progress meetings.

**Churchwell Road, Panama City Beach, Florida**

**Type of Project: Reconstruction**

**Size of Project: \$4.4 Million, Pre Construction Services**

**Specific Project Involvement:** Ms. Anderson performed cost estimates and generated a construction schedule for this \$4.4 million project. She reviewed plans and utility relocation specifications at several phases to ensure constructability and coordination.

**Beckrich Road Reconstruction, Panama City Beach, Florida**

**Type of Project: Reconstruction**

**Size of Project: \$8.2 Million, Pre Construction Services**

**Specific Project Involvement:** Ms. Anderson performed cost estimation and construction schedule development for this project, valued at more than \$8.2 million. Ms. Anderson's responsibilities included completion of the specification package, along with reviewing plans and utility relocation specifications at several phases throughout the design.

# Eric L. Rosenstein, PE

**Bridge Construction: Senior Resident Engineer**

**Past Job Assignments:** Senior Project Engineer

**Years with PBS&J: 1**

**Years with other Firms: 26**



**TIN# R252212603030**

## Education

B.S., Civil Engineering, University of Florida, 1984

## Registrations/Licenses

Professional Engineer:

Florida #42719, 1990

## Certifications

Advanced Maintenance of Traffic (MOT), #BT-05-0079

CTQP Quality Control (QC) Manager

CTQP Asphalt Paving Technician – Level I and II

CTQP Final Estimates – Level I

AutoCAD Fundamentals

ATSA-Certified Worksite Traffic Supervisor

BCI Level I

## Software

Microsoft Office suites

Primavera 6

## Professional Affiliations

National Society of Professional Engineer/Florida Engineer Society

American Association of Civil Engineers

Mr. Rosenstein has more than 27 years of primarily construction management, construction engineering and inspection (CEI), transportation engineering, emergency contract response, and business development experience for public agencies, including the Florida Department of Transportation (FDOT). Mr. Rosenstein began his career in 1984, with FDOT District Six, where he completed the professional engineer training program. He then worked as a project engineer for FDOT District Two. Since leaving FDOT in September 1997, Mr. Rosenstein worked at a previous firm where he served as the project engineer, resident engineer, and most recently the area engineer. As the area engineer for north Florida, he oversaw the CEI operations in the FDOT District Two, Three, and Five markets, as well as marketed the services of the company.

**New Jersey Turnpike Authority – Garden State Parkway Widening from MP30-63.**

**Type of Project: Multi-lane Widening**

**Size of Project: \$200 Million, Project Management Team**

**Specific Project Involvement:** As part of the project management team, Eric provided maintenance and protection of traffic (MPT) plans reviews for 90% and 100% plan submittals on four widening projects.

**Capital Circle SE from Woodville Highway to Crawfordville Road, Leon County (Blueprint2000)**

**Type of Project: Multi-lane Widening**

**Size of Project: \$8.9 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Senior project engineer for this ARRA Stimulus design/build project to widen the existing heavily traveled 2-lane rural arterial to a six lane divided urban section. The project includes major drainage adjacent to USFS lands, major earthwork, major utility relocations, street lighting, the construction of a 10' pedestrian path and low maintenance landscape and hardscaping.

**Barrineau Park Road, Escambia County**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$1.1 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Senior project engineer for the roadway widening, ARMI and resurfacing of CR196 (Barrineau Park Road) from Perdido Park Road to SR29. This safety project for Escambia County will widen the existing 9' wide rural arterial to two-12' lanes.

**Star Lake Bridge Replacement, Escambia County**

**Type of Project: Bridge Replacement**

**Size of Project: \$450,000, Construction Engineering Inspection**

**Specific Project Involvement:** Senior project engineer for the replacement of an existing 30' wooden structure with dual arch plate culverts in the Star Lake community. This project requires close coordination with Escambia County and the community as the work to remove and replace the bridge must be performed in a continuous 72 hour period.

# Daryl Goss

**Bridge Construction Inspector**

**Past Job Assignments:** Senior Inspector

**Years with PBS&J:** 5

**Years with other Firms:** 3



**TIN# G200161782940**

## Certifications

CTQP Asphalt Paving Technician,  
Level I and II

CTQP Earthwork Construction  
Inspection, Level I and II

CTQP Final Estimates Level I  
Advanced Maintenance of Traffic  
FDOT Concrete Field

ACI Level I

Bridge Coating Level I

Nuclear Surface Moisture  
Transportation Certificate

Mr. Goss has more than eight years experience working in the construction industry. His previous experience includes serving as a foreman, crew leader, inspector, and verification technician. In addition, Mr. Goss has extensive training in roadway inspection and reporting.

Mr. Goss's previous experience includes:

**Capital Circle SE from Woodville Highway to Crawfordville Road (Leon County) (Blueprint2000)**

**Type of Project:** Multi-lane Widening

**Size of Project:** \$8.6 Million, **Construction Engineering Inspection**

**Specific Project Involvement:** Senior Inspector for this ARRA Stimulus design/build project to widen the existing heavily traveled 2-lane rural arterial to a six lane divided urban section. The project includes major drainage adjacent to USFS lands, major earthwork, major utility relocations, street lighting, the construction of a 10' pedestrian path and low maintenance landscape and hardscaping.

**Lake Jackson Ecopassage, FDOT District Three**

**Type of Project:** Drainage and Wildlife

**Size of Project:** \$2.5 Million, **Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Goss served as the senior inspector \$2.5 million project that intended to decrease the wildlife mortality along SR 63 (US27/ North Monroe Street) in Tallahassee, FL. The improvements consisted of constructing two wildlife crossings (box culverts), wildlife barrier wall (sheet pile walls, gravity walls, retaining walls and box culvert wing walls), milling and resurfacing of existing lanes, and miscellaneous drainage structures.

**US 98 Franklin County Hurricane, FDOT District Three**

**Type of Project:** Coastal Repair and Protection

**Size of Project:** \$35.6 Million, **Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Goss served as the Senior Inspector for this project which included permanent repair consisting of soldier pile, sheet piling and articulating concrete block to enhance shore protection. The project budget was \$34.7 million.

**Putnam County**

**Type of Project:** New Roadway Construction

**Size of Project:** \$2.5 Million, **Construction Engineering Inspection**

**Specific Project Involvement:** Performed construction engineering inspection for 2.5 miles of new construction on West Toco Road for Putnam County. The project consisted of converting an existing dirt road to a 2 lane rural roadway. The project included pipe placement, precast box culvert construction and wetland protection.

# Joseph S. Moldovan

**Senior Bridge Inspector**

**Past Job Assignments:** Senior Inspector, Construction Manager, Inspector, Bridge Inspector

**Years with PBS&J:** 24

**Years with other Firms:** 6



**TIN# M431497584100**

## **Certifications**

ACI Level-I & II

Concrete Transportation Inspector  
(CTCI)

FDOT Concrete Field Inspector  
Specification

CTQP Asphalt Paving Technician  
Level I and II

CTQP Earthwork Construction  
Inspector Level I and II

CTQP Pile Driving Module A & B

CTQP Final Estimate Level I and II  
Advance MOT

Bonded Post Tensioning Inspector  
Post Tensioning Grouting Certified  
Concrete, Bridge & Foundation  
Inspector (FDOT)

OSHA-10 Hour

Stormwater, Erosion Control and  
Sedimentation Inspector

CPN Nuclear Density Inspector  
Work Zone Safety

Mr. Moldovan has more than 30 years of progressive experience in heavy construction; construction inspection; and documentation and testing of roadways, bridges, and buildings. Mr. Moldovan's expertise includes vast experience as a senior inspector on major NCDOT high-level marine bridges. Mr. Moldovan work experience with PBS&J is as follows:

**SR 55 (US19/US98) from West Cornflower Drive to West Foss Grove Path / SR55 (US19) From South of NW Snug Harbor RD to West Cornflower Drive, FDOT District Seven**

**Type of Project: Bridge Replacement**

**Size of Project: \$37.1 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Moldovan served as one of the senior inspectors on a team responsible for the overseeing & documentation.

Participated in the inspection for reinforcing steel & verification concrete testing on 735 ft. new bridge deck crossing the Barge Canal SR19, surveying post-tension girders during casting sequence of new bridge deck. Mr. Moldovan also was part of the inspection team overseeing & documentation for milling and resurfacing of existing roadway from NW Snug Harbor to West Cornflower Drive SR55 (US19).

**Barrineau Park Road, Escambia County**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$1.1 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Moldovan was responsible for overseeing, documentation and inspection of widening, placement of ARMY Layer and resurfacing 3.5 miles of existing roadway. Mr. Moldovan was also responsible for overseeing, documentation and inspection of box culvert extension and placement of new guardrail.

**SR30A Tidal Culverts Gulf County, FDOT District Three**

**Type of Project: Bridge Replacement**

**Size of Project: \$2.8 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Moldovan served as senior inspector and was responsible for the overseeing & documentation of inspection, verification testing, pile driving, demolition of existing Tidal Culverts and the reconstruction of New Bridges along with constructing concrete sheeting walls and bulkhead surrounding end bents.

**Intersection of John Young Parkway & Osceola Parkway, Kissimmee, Florida.**

**Type of Project: Interchange**

**Size of Project: \$25 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Moldovan as senior inspector was involved in overseeing and documentation for Pile Driving, Construction of 3200lf of M.S.E Wall, Construction of bridge substructure along with assembly and placement of superstructure structural steel girders.



**J. Earle Bowden Way, FDOT District Three**

**Type of Project: Permanent Emergency Repairs**

**Size of Project: \$2.8 Million, Construction Engineering Inspection**

**Specific Project Involvement:** As senior inspector, Mr. Moldovan was responsible of overseeing contractors daily activities including documentation of daily pay items and entering pay quantities into field books preparations for final estimate. Mr. Moldovan also assisted with performing assessments of damage to project due to tropical storms conditions created by hurricane Gustav and Ike.

**SR 8/I-10 Escambia Bay Bridge, Pensacola**

**Type of Project: Bridge Replacement**

**Size of Project: \$250 Million, Construction Engineering Inspection**

**Specific Project Involvement:** As senior inspector Mr. Moldovan is responsible for pile driving inspection, structure/sub-structure inspection, concrete inspection, earthwork construction inspection, maintenance of traffic, preparing daily report of construction. This \$250 million project includes construction of two new bridges with three 12 foot travel lanes on each bridge, 10 foot inside and outside shoulder, I-10 Eastbound on-ramp, and I-10 westbound off-ramp.

# Donald L. Phillips

*Bridge Inspector*

*Past Job Assignments: Roadway Inspector*

*Years with PBS&J: 6*

*Years with other Firms: 8*



**TIN# P412192753260**

## **Certifications**

ACI Concrete Field Testing  
Technician,

Concrete field testing level I

CTQP Asphalt Paving Technician,  
Level I

CTQP Earthwork level I

CTQP Final Estimate Level I & II

Advanced MOT

Hot Mix Asphalt Paving

Construction Math

Contract Plans Reading

Grade I Nuclear Gauge Safety  
Training

Mr. Phillips has more than 13 years of experience in construction services. He has served as inspector on numerous bridge replacement and milling and resurfacing projects throughout north Florida.

Mr. Phillips' relevant project experience includes:

### **65 Liberty County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$9.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Phillips is the field inspector on the \$9.5 million project Telogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

### **Star Lake Bridge, Escambia County**

**Type of Project: Bridge Replacement**

**Size of Project: \$450,000, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Phillips serves as the inspector on this project which includes low level bridge replacement with arch culvert.

### **North Salt Road Phase II ARRA, Jefferson County, FDOT, District Three**

**Type of Project: Resurfacing**

**Size of Project: \$144,000, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Phillips served as the inspector on this roadway resurfacing project.

### **Mosley Drive, City of Lynn Haven, Florida**

**Type of Project: Pedestrian Safety**

**Size of Project: \$1.1 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Phillips serves as an inspector on this project that consists of pedestrian sidewalks, lighting, drainage improvements, signalization, guardrail, and landscaping.

### **Lake Jackson Eco Passage, FDOT District Three**

**Type of Project: Drainage and Wildlife Crossing**

**Size of Project: \$2.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Phillips served as inspector for this ARRA project. The construction of the Lake Jackson Ecopassage is the result of a long-term grassroots and local government effort to decrease wildlife mortality along SR 63 (US 27/North Monroe Street) between Lake Jackson and Little Lake Jackson. Wildlife regularly moves between these two water bodies across the roadway resulting in vehicle strikes that endanger both wildlife and motorists. The improvements under this \$2.5 million, 290-day project contract consist of constructing two wildlife crossings (box culverts) and a wildlife barrier wall (sheet pile walls, gravity walls, retaining walls, and box culvert wing walls) to direct wildlife under the roadway, as well as milling and resurfacing of existing lanes and miscellaneous drainage structures.

# Donald L. Phillips

Bridge Inspector

## **SR8 (I-10) Gadsden County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$25.2 Million, Construction Engineering and Inspection**

**Specific Project Involvement:** Mr. Phillips served as an inspector on this milling, resurfacing, edge drain and fencing project.

## **Florida Fish and Wildlife Conservation Commission, Boating and Waterways**

**Type of Project: Boating and Waterway Safety Markers**

**Size of Project: \$600,000, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Phillips has been providing construction oversight for the installation and maintenance of Waterway regulatory markers throughout the state of Florida. In addition to this role Mr. Phillips has played a major role in the design, contractor selection, final review of completed work, and creating "as-builds", for many of the tasks under this project.

## **Capital Circle Northwest, Tallahassee, Leon County, FDOT District Three**

**Type of Project: Multi-lane Widening**

**Size of Project: \$24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** The Capital Circle Northwest [SR263] project in Tallahassee for the Florida Department of Transportation (FDOT), District Three, involved construction of over two miles of a new urban multilane roadway with additional minor areas of milling and resurfacing. Construction engineering and inspections services (CEI) services for this \$25.5 million, 825 day project were provided for major drainage upgrades, sidewalks, signalization, and signing. Maintenance of traffic (MOT) was critical and construction phasing necessitated multiple shifts to the flow of traffic, many of which were not adequately addressed in the traffic control plan. Mr. Phillips was an inspector for the duration of this project.

# Jerry D. McClure Jr.

**Milling & Resurfacing Project Administrator**

**Past Job Assignments:** Project Administrator

**Years with PBS&J:** 5

**Years with other Firms:** 23



Mr. McClure has 28 years of construction inspection/construction management experience including the supervision of inspection staff, final estimates preparation, materials testing and certification, and other project and contract administration functions

Mr. McClure's PBS&J experience includes:

### **SR 300, Franklin County, FDOT District Three**

**Type of Project: Widening and Roadway Construction**

**Size of Project: \$183,000, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. McClure serves as project administrator for SR 300 which includes paved shoulder construction and fishing pier access road realignment from West Bayshore Drive to St George Island Bridge in Franklin County.

**TIN# M246424594130**

### **Certifications**

CTQP Asphalt Paving Technician –  
Levels 1 and 2

CTQP Asphalt Plant Technician –  
Levels 1 and 2

FDOT Concrete Field Inspector  
American Concrete Institute (ACI)  
Concrete Field Testing  
Technician – Grade 1

Earthwork Inspection

Multi-Line Earthwork

Mechanically Stabilized Earth  
(MSE) Wall Inspection

FDOT Drilled Shaft Inspection

FDOT Pile Driving Inspection

Final Estimates – Level 2

Quality Control Manager

Project Engineer's School

### **Oak Street, Lanark Village, FDOT District Three**

**Type of Project: Sidewalk and Drainage**

**Size of Project: \$126,000, Construction Engineering Inspection**

**Specific Project Involvement:**– This project consisted of sidewalk and minor drainage improvements for Oak Street from Arizona to Carlton Avenue in Franklin County. Mr. McClure served as the project administrator.

### **Midway ARRA Grouping, FDOT District Three**

**Type of Project: Roadway, Drainage, and Sidewalk Construction**

**Size of Project: \$1.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. McClure served as the project administrator on these projects. The scope of work for this proposed grouping of six projects in Gadsden, Jefferson, and Wakulla counties consists of a turn lane construction project; a milling, resurfacing and guardrail construction project; and four sidewalk construction projects.

### **SR8 (I-10) Gadsden County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** – Mr. McClure served as project administrator on this milling, resurfacing, edge drain and fencing project.

### **Capital Circle Northwest, Tallahassee, Leon County, FDOT District Three.**

**Type of Project: Multi-lane Widening**

**Size of Project: \$26 Million, Construction Engineering Inspection**

**Specific Project Involvement:** This multilane roadway new urban construction project for the Florida Department of Transportation (FDOT), District Three involved providing construction engineering and inspection services including utility coordination, public involvement, project administration, materials testing, and contract compliance for SR 263 (Capital Circle NW) from SR 10 (US 80) to SR 8 (I-10) in Tallahassee, Leon County. Mr. McClure served as project manager responsible for all aspects of the scope of services provided to the FDOT.

# Christopher J. Todd

**New Construction Senior Inspector**

**Past Job Assignments:** Senior Inspector, Inspector

**Years with PBS&J: 7**

**Years with other Firms: 5**



**TIN# T300110704650**

## Education

A.A., General Education, Lake City  
Community College, 1999

## Certifications

CTQP Earthworks Construction  
Inspection - Level I and II  
CTQP Asphalt Paving - Level I and  
II  
CTQP Final Estimates, Level I and  
II  
CTQP Drill Shaft  
FDOT Concrete Field Inspector  
ACI Concrete Field Testing  
Technician  
Stormwater Management Inspector  
Advanced MOT  
Nuclear Safety Certification, 2000

Mr. Todd has more than 12 years of experience working in the construction industry. His previous experience includes serving as a foreman, operations supervisor, and roadway inspector. In addition, Mr. Todd has extensive training in roadway inspection and reporting, earthwork, box culvert construction, pipe placement, and additional incidental construction.

Mr. Todd's previous employment experience includes:

### **FDOT District Two GEC Contract**

**Type of Project: General Engineering Consultant**

**Size of Project: \$20 Million, Utility Inspection**

**Specific Project Involvement:** Mr. Todd is currently serving as utility relocation inspector and coordinator for FDOT District 2.

### **SR 8 (I-10) Gadsden County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Todd served as senior inspector on this milling, resurfacing, edge drain and fencing project. His responsibilities included supervision of the inspection staff, document activities and pay quantities, inspection to ensure compliance with plan and specifications.

### **SR 47, Lake City, Florida, FDOT, District Two**

**Type of Project: Road Widening**

**Size of Project: \$27 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Todd served as the senior roadway inspector on this four-laning project. His responsibilities include overseeing all inspection personnel, inspecting utility installations, constructing sidewalks, inspecting curb and gutter installation, maintaining maintenance of traffic (MOT), and paving operations.

### **I-75 Columbia County, Florida, FDOT District Two**

**Type of Project: Resurfacing**

**Size of Project: \$8 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Todd served as a roadway inspector on this milling and resurfacing project. His responsibilities included milling and paving operations, preparing and maintaining asphalt paving reports, and maintaining MOT.

# Christopher A. McKenzie

*Miling & Re-surfacing Roadway Inspector*

*Past Job Assignments: Utility Inspector, Roadway Inspector*

*Years with PBS&J: 5*

*Years with other Firms: 15*



**TIN# M252101683290**

## **Certifications**

CTQP Earthwork Level 1

CTQP Asphalt Level 1

CTQP Final Estimates 1

FDOT Concrete Field I

ACI

FDOT Advanced MOT

Mr. McKenzie has more than 15 years of experience in the construction industry. His previous experience includes crew leader, crew foreman, and lead framer. Mr. McKenzie has extensive training in maintenance of traffic (MOT).

Mr. McKenzie's experience includes:

### **FDOT District Two GEC Contract.**

**Type of Project: General Engineering Consultant**

**Size of Project: \$20 Million, Utility Inspection**

**Specific Project Involvement:** Mr. McKenzie is currently serving as utility relocation inspector and coordinator for FDOT District 2.

### **US 98 Franklin County Hurricane, FDOT District Three**

**Type of Project: Coastal repair and Protection**

**Size of Project: \$35.6 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. McKenzie served as inspector on this permanent repair project consisting of soldier pile, sheet piling and articulating concrete block to enhance shore protection. The project budget is 34.7 million.

### **Putnam County, Florida**

**Type of Project: New Roadway Construction**

**Size of Project: \$2.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Performed construction engineering inspection for 2.5 miles of new construction on West Toco Road for Putnam County. The project consisted of converting an existing dirt road to a two-lane rural roadway. The project included pipe placement, precast box culvert construction and wetland protection.

### **City Market Place, District Two, Jacksonville**

**Type of Project: Site Development**

**Size of Project: \$500 Million, Construction Engineering Inspection**

**Specific Project Involvement: River** Mr. McKenzie assisted in ensuring quality control of workmanship for the client. He also recorded daily information for PBS&J and client, observing MOT to ensure compliance with approved plans and specifications.

# Chad N. Chancey

**Milling & Resurfacing Roadway Inspector**

**Past Job Assignments:** Field Representative

**Years with PBS&J:** 7

**Years with other Firms:** 0



**TIN # C520114761230**

## Certifications

Asphalt Paving I and II  
Earthwork Construction Inspector I and II  
ACI Field Testing I  
Concrete Field Inspector  
Final Estimates Level I  
Advanced MOT  
Stormwater Management Inspector  
Construction Math Self Study  
Plans Reading Self Study  
Site Manager Training  
LIMS Specialized Training

Mr. Chancey has extensive experience in roadway inspection and reporting. His experience includes:

### **FDOT District Two GEC Contract**

**Type of Project:** General Engineering Consultant

**Size of Project:** \$20 Million, Utility Inspection

**Specific Project Involvement:** Mr. Chancey is currently serving as utility relocation inspector and coordinator for FDOT District Two.

### **SR8 (I-10) Gadsden County, FDOT District Three**

**Type of Project:** Milling and Resurfacing

**Size of Project:** \$25.2 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Chancey served as an inspector on this milling, resurfacing, edge drain and fencing project. His duties included monitoring the installation of the drain creek concrete and the replacement of the asphalt cap.

### **CR 121, Nassau County, Florida.**

**Type of Project:** Milling and Resurfacing

**Size of Project:** \$5 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Chancey served as an inspector on this \$5 million 19-mile milling and resurfacing project. His responsibilities included maintaining MOT, preparing and maintaining asphalt paving reports, pavement markings, signing, and other incidental construction.

### **SR 47, Lake City, Florida, FDOT District Two.**

**Type of Project:** Road Widening

**Size of Project:** \$27 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Chancey services as inspector on this project which included improvements to SR 47 from CR 242 south of I-75 to SR 25 (US 41), via reconstruction of a two-lane rural roadway to a four-lane urban roadway, included base, asphalt, earthwork, retention ponds, drainage structures, curb and gutter, signalization, pavement markings, signing, and other incidental construction.

### **I-75, Columbia County, Florida, FDOT, District Two**

**Type of Project:** Resurfacing Project

**Size of Project:** \$8 Million, Construction Engineering Inspection

**Specific Project Involvement:** Improvements to SR 93 (I-75) from US 90 to I-10, included milling, resurfacing, guardrail, sodding, and other incidental construction. Mr. Chancey's responsibilities included milling and paving operation, preparing and maintaining asphalt paving reports, and maintenance of traffic (MOT).

## Melvin G. Skipper Jr.

*Milling and Re-Surfacing Roadway Inspector*

*Past Job Assignments: Inspector, Plant and Roadway*

*Years with PBS&J: 7*

*Years with other Firms:0*



**TIN# S160607694430**

### **Certifications**

CTQP Asphalt Paving, Level I and II  
CTQP Earthworks Construction Inspection  
Level I and II  
CTQP Final Estimate I  
CTQP Asphalt Plant, Level I and II  
FDOT Concrete Field Inspector  
ACI Concrete Level I  
FDOT Advanced MOT  
Nuclear Safety Certification

Mr. Skipper has more than seven years of experience in construction inspection, masonry, and concrete testing.

Mr. Skipper's experience includes:

#### **SR 65 Liberty County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$9.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Skipper is an inspector on this \$9.5 million project Telogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

#### **SR8 (I-10) Gadsden County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Skipper currently serves as asphalt plant inspector on this milling, resurfacing, edge drain and fencing project.

#### **US 98 Franklin County Hurricane Dennis Permanent Repairs, FDOT District Three**

**Type of Project: Coastal Repair and Protection**

**Size of Project: \$3.6 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Skipper was an inspector on this \$34.7 million project to enhance and repair the shoreline protection along US 98 in Carrabelle, Florida. The repairs included installation of bulkhead panels, sheet piling, soldier piles, articulating block, guardrail, miscellaneous asphalt, and performance turf along 14.6 miles of coastal highway.

#### **Capital Circle Northwest, Tallahassee, Leon County, Florida, FDOT District Three.**

**Type of Project: Multi-lane Widening**

**Size of Project: \$24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** This multilane roadway new urban construction project for the Florida Department of Transportation (FDOT), District Three involves providing construction engineering and inspection services including utility coordination, public involvement, project administration, materials testing, and contract compliance for SR 263 (Capital Circle NW) from SR 10 (US 80) to SR 8 (I-10) in Tallahassee, Leon County. Mr. Skipper was field inspector performing roadway and asphalt paving inspection duties also included drainage, earthwork, drilled shaft, and concrete and signalization inspections.



## O. Scott Stoutamire

**New Construction Project Administrator**

**Past Job Assignments:** Project Manager, Project Administrator, Contract Support Specialist

**Years with PBS&J:** 11

**Years with other Firms:** 14



**TIN# S335657621010**

### Certifications

CTQP Quality Control Manager

CTQP Final Estimates Level I

CTQP Final Estimates Level II

FDOT Advanced MOT

FDEP Stormwater Qualification

Troxler Nuclear Safety

Radiation Safety Officer

### Courses/Seminars

A.S., Applied Science, Chipola  
Junior College

Resource Economics, University of  
Florida

Florida Department of  
Transportation (FDOT) Project  
Engineer School

Florida Department of  
Transportation (FDOT), 10-week

Technician School

CPM Scheduling Training  
(Primavera)

Construction Contract  
Interpretation

FDOT Construction I (GEOPAK  
and MicroStation)

Engineering Menu

Advanced MultiLine

SuperPave Training

Blaw Knox Asphalt Seminar

Statewide Final Estimates

District Three Final Estimates

All FDOT Self Study Courses

Mr. Stoutamire has 25 years of construction inspection/construction management experience including the supervision of inspection staff, final estimates preparation, materials testing and certification, utility permitting and relocations, and other project and contract administration functions.

Mr. Stoutamire's recent project experience include:

### **Capital Circle Southeast E3 from Woodville Highway to Crawfordville Road (Blueprint 2000)**

**Type of Project:** Multi-lane Widening

**Size of Project:** \$8.9 Million, Construction Engineering Inspection

**Specific Project Involvement:** This project will transform a two lane rural roadway into a six lane urban conveyance not just for motorist, but for pedestrians and cyclists as well. Major utility relocations include using a joint project agreement with the City of Tallahassee for water and sewer.

### **Mosley Drive, City of Lynn Haven**

**Type of Project:** Pedestrian Safety

**Size of Project:** \$ 1.1 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mosley Drive was enhanced with the addition of 7000 LF of sidewalk. LED Lighting was installed along the walkway to improve pedestrian and motorist safety. New mast arm signalization was placed at the intersection with SR 77.

### **Tidal Culvert on SR 30A, Gulf County, FDOT District Three**

**Type of Project:** Bridge Replacements

**Size of Project:** \$2.8 Million, Construction Engineering Inspection

**Specific Project Involvement:** This project entailed the removal of two deficient structures and replacing with single span bridges on twenty four feet prestressed pile foundations. Components of this project also included an on-site diversion, and off-site detour, temporary critical sheet pile, permanent concrete sheet piling, and pre-cast deck units with a concrete deck overlay. New approach slabs were constructed and the roadway resurfaced. The detour was also resurfaced at the project conclusion.

### **I-10 Gadsden County, FDOT District Three**

**Type of Project:** Milling And Resurfacing

**Size of Project:** \$25.2 Million, Construction Engineering Inspection

**Specific Project Involvement:** This 11 mile project consists of milling and resurfacing of the roadway and shoulders, installation of a new 10' game fence at the right of way line, draincrete edgedrain and outlets, new signs, ditch pavement, and reworking shoulders.

### **US 90, Holmes County, FDOT District Three**

**Type of Project:** Milling and Resurfacing

**Size of Project:** \$1.8 Million, Construction Engineering Inspection

**Specific Project Involvement:** US 90 in Bonifay was milled and resurfaced, curb ramps were brought up to ADA Standards, new mitered end sections were placed on existing pipe and cross drains were extended receiving new headwalls. Repairs to several drainage structures were made

## O. Scott Stoutamire

*New Construction Project Administrator*

after discovery of deteriorated conditions. Utility repair work was also done under supplements to the contract.

### **License Plate Reader Deployment, Leon County, FDOT Central Office**

**Type of Project: Intelligent Transportation**

**Size of Project: \$1.1 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Installation of license plate readers on I-10 at the Ochlockonee River, Capital Circle NW, Monroe Street, Thomasville Road and East of Mahan Drive. Intelligent transportation system integration with the Tallahassee Traffic Management Center.

### **Capital Circle Southeast, Leon County, Blueprint 2000**

**Type of Project: Multi-lane Widening**

**Size of Project: \$43.4 Million, Construction Engineering Inspection**

**Specific Project Involvement:** This fast-track Design/Build project has an overall value of \$36,000,000.00. The project involved turning a 2-lane rural section into a 6-lane urban roadway. Nine storm water ponds were constructed as well as sidewalk, lighting, curb and gutter and a multi use path along the entire 3 miles of the project. Major utility relocations were done including 9 fiber optic lines, overhead electric, telephone and an underground electric duct bank. A Joint Project Agreement with the City of Tallahassee involved the construction of sanitary sewer, water and a re-use water line along the new roadway. Tree mitigation on a canopy road section of the project involving "High Quality Successional Forest" Protection was also completed.

# Joseph P. Clark

**New Construction and Intersection Senior Inspector**

**Past Job Assignments:** Senior Inspector, Inspector

**Years with PBS&J:** 11

**Years with other firms:** 8



**TIN# C462495612230**

## Certifications

Asphalt Paving, Levels I & II  
Earthwork Inspection, Levels I and II  
Concrete Field Inspector  
Final Estimates I & II  
ACI - Level I  
FDEP Stormwater Qualification  
FDOT Advanced MOT Certification  
Preparation of Final Estimates  
Traffic Safety in the Work Zone Area  
Troxler Nuclear Density Testing

## State of Georgia Qualifications:

Stormwater and Erosion Control  
Asphalt  
Concrete  
Maintenance of Traffic  
Soil Cement

## Courses/Seminars

Earthwork Density Record System  
Preparation of Final Estimates  
Troxler Nuclear Density Testing  
HAZMAT training  
Asphalt Concrete Testing  
Asphalt Plant Inspection  
Asphalt Paving Inspection  
Traffic Safety in the Work Zone Area  
SuperPave Seminar  
Blaw Knox Paving Seminar

Mr. Clark has more than 19 years of construction inspection experience in which he has developed a thorough knowledge of inspection requirements for all aspects of FDOT and GDOT roadway and bridge projects and preparation of final estimates pay quantity measurement requirements.

## SR 65 Liberty County, FDOT District Three

**Type of Project:** Milling and Resurfacing

**Size of Project:** \$9.5 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Clark serves as the senior inspector on this \$9.5 million project Telogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

## Tidal Culvert Replacement on SR 30A, Gulf County, FDOT District Three

**Type of Project:** Bridge Replacements

**Size of Project:** \$1.1 Million, Construction Engineering Inspection:

**Specific Project Involvement:** This project entailed the removal of two deficient structures and replacing with single span bridges on twenty four feet prestressed pile foundations. Components of this project also included an on-site diversion, and off-site detour, temporary critical sheet pile, permanent concrete sheet piling, and pre-cast deck units with a concrete deck overlay. New approach slabs were constructed and the roadway resurfaced. The detour was also resurfaced at the project conclusion.

## US 98 Franklin County Hurricane, FDOT District Three

**Type of Project:** Coastal Repair and Protection

**Size of Project:** \$35.6 Million, Construction Engineering Inspection

**Specific Project Involvement:** Permanent repair project consisting of soldier pile, sheet piling and articulating concrete block to enhance shore protection. The project budget is 34.7 million. Mr. Clark serves as Sr. Inspector on this project.

## Capital Circle Northwest, FDOT District Three

**Type of Project:** Multi-lane Widening

**Size of Project:** \$24 Million, Construction Engineering Inspection

**Specific Project Involvement:** Mr. Clark served as Sr. Inspector on this multi-lane project. This high profile project consisted of transforming an existing two lane rural section into a modern six lane urban facility in Tallahassee.

# Timothy L. Cullen

**New Construction and Inspection Senior Inspector**

**Past Job Assignments:** Senior Inspector, Senior Plant Inspector

**Years with PBS&J:** 8

**Years with other Firms:** 6



**TIN # 450809720260**

## Education

Miami Dade Community College

A.S. Candidate

Tallahassee Community College

Transient Credits

## Certifications

CTQP Asphalt Paving, Level I & II

CTQP Earthwork, Level I & II

CTQP Pile Driving Inspection

CTQP Drilled Shaft Inspection

CTQP Concrete Level I

CTQP Concrete Level II

CTQP Asphalt Plant Level I & II

FDOT Advanced MOT

ACI Concrete Testing, Level I

ACI CTCI Level II

FDEP Stormwater Qualification

Troxler Nuclear Gauge Safety

HAZMAT Certificate

Troxler Nuclear Testing

## Courses/Seminars

Preparation of Final Estimates

SuperPave Seminar

Blaw Knox Asphalt Seminar

Advanced Multi-line

Engineering Menu

Self Study Courses:

Construction Math

Asphaltic Concrete Roadway Inspection

Plan Reading

Subgrade and Base

Portland Cement

Asphaltic Concrete Plant

Asphaltic Concrete Testing

Earthwork Inspection

Smith System Drivers Safety

Mr. Cullen has more than 8 years of experience and has developed a thorough knowledge of inspection requirements for all aspects of Florida Department of Transportation (FDOT) roadway and bridge projects and preparation of final estimates pay quantity measurement requirements.

As senior inspector, Mr. Cullen was in charge of field inspection activities on the following projects:

**: Capital Circle SE from Woodville Highway to Crawfordville Road, Blueprint2000, Leon County, Florida**

**Type of Project: Multi-lane Widening**

**Size of Project: \$8.9 Million, Construction Engineering Inspection**

**Specific Project Involvement** This design/build project is funded through ARRA and being administered by Blueprint2000 for the Department of Transportation. As the roadway/utility inspector, Mr. Cullen is responsible for project coordination between the design/build Team, the utilities and Blueprint 2000 including project inspections.

**SR8 (I-10) Gadsden County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$25.2 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Cullen currently serves as asphalt plant inspector on this milling, resurfacing, edge drain and fencing project.

**Capital Circle Southeast Multi-lane Widening, Leon County, Blueprint2000**

**Type of Project: Multi-lane Widening**

**Size of Project: \$43.4 Million, Construction Engineering Inspection**

**Specific Project Involvement:** This fast-track Design/Build project has an overall value of \$36,000,000.00. The project involves turning a 2-lane rural section into a 6-lane urban roadway. Nine storm water ponds are being constructed as well as sidewalk, lighting, curb and gutter and a multi use path along the entire 3 miles of the project. Major utility relocations are being done including 9 fiber optic lines, overhead electric, telephone and an under ground electric duct bank. A joint project agreement with the City of Tallahassee involves the construction of sanitary sewer, water and a re-use water line along the new roadway. Tree mitigation is underway on a canopy road section of the project involving "High Quality Successional Forest" Protection. As senior inspector, Mr. Cullen provided roadway and asphalt plant inspection services also including drilled shaft, earthwork, and drainage inspection.

**Capital Circle Northwest, Tallahassee, Leon County, Florida, FDOT District Three**

**Type of Project: Multi-lane Widening**

**Size of Project: \$ 24 Million, Construction Engineering Inspection**

**Specific Project Involvement:** This multilane roadway new urban construction project for the FDOT, District Three involves providing construction engineering and inspection services including utility coordination, public involvement, project administration, materials testing, and contract compliance for SR 263 (Capital Circle NW) from SR 10 (US 80) to SR 8 (I-10) in Tallahassee, Leon County. Mr. Cullen was senior inspector providing roadway and asphalt plant inspection services also including drilled shaft, earthwork, and drainage inspection.

# Jeremiah Vickers

**New Construction Inspector**

**Past Job Assignments:** Plant Inspector, Roadway Inspector, Senior Inspector

**Years with PBS&J:** 1

**Years with other Firms:** 31



**TIN: V262420594670**

## **Certifications**

CTQP Asphalt Paving, Levels I & II

CTQP Asphalt Plant, Level I & II

CTQP Earthwork Inspection, Levels I and II

FDOT Concrete Field Inspector

CTQP Final Estimates I and II

CTQP Drilled Shaft

CTQP Pile Driving

ACI Concrete - Level I

FDEP Stormwater Qualification

FDOT Advanced MOT

Traffic Safety in the Work Zone Area

Troxler Nuclear Safety Certified

Mr. Vickers comes to PBS&J with 32 years of experience.

## **SR 65 Liberty County, FDOT District Three**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$9.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Vickers serves as the inspector on this \$9.5 million project Tclogia to Sumatra, Florida. The improvements under this contract consist of milling and resurfacing, minor widening, culvert repair (replacement, lining, and jack and bore), guardrail, signing and pavement markings for 25.6 miles of roadway through the Apalachicola National Forest.

## **SR 300, Franklin County, FDOT District Three.**

**Type of Project: Widening and Roadway Construction**

**Size of Project: \$183,000, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Vickers served as Inspector for SR 300 which includes paved shoulder construction and fishing pier access road realignment from West Bayshore Drive to St George Island Bridge in Franklin County.

## **Barrineau Park Road, Escambia County**

**Type of Project: Milling and Resurfacing**

**Size of Project: \$1.1 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Inspector for the roadway widening, ARMI and resurfacing of CR196 (Barrineau Park Road) from Perdido Park Road to SR29. This safety project for Escambia County will widen the existing 9' wide rural arterial to two-12' lanes.

## **Oak Street, Lanark Village, FDOT, District Three**

**Type of Project: Sidewalk and Drainage**

**Size of Project: \$126,000, Construction Engineering Inspection**

**Specific Project Involvement:** This project consisted of sidewalk and minor drainage improvements for Oak Street from Arizona to Carlton Avenue in Franklin County. Mr. Vickers served as the inspector for this project.

## **Midway ARRA Stimulus Grouping, FDOT District Three**

**Type of Project: Roadway, Drainage, and Sidewalk**

**Size of Project: \$1.5 Million, Construction Engineering Inspection**

**Specific Project Involvement:** Mr. Vickers served as inspector on this project which included CEI services of Sidewalks in the City of Midway, Sidewalks in the City of Gretna, Sidewalks on SR 267, Guardrail Construction and Resurfacing in Jefferson County, Northbound Turn Lane Construction on SR 369 in Wakulla County, and St. Marks sidewalk installation in Wakulla County.

# Robert L. Farley, RLA, LEED AP

*Project Manager, Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida  
Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager  
U.S. Green Building Council (USGBC) LEED AP  
ISA Certified Arborist  
GRHC Accredited Green Roof Professional  
FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects  
Florida Native Plant Society  
National Roadside Vegetation Management Association  
Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

### **Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

### **Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

### **Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Ac.**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

### **Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Ac.**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Project Manager*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Ac.**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Ac.**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Ac.**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Ac.**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# B

## Experience with Projects of a Similar Type and Size

Construction Engineering and Inspection Services

### Relevant Project Experience

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.

The project was completed nearly \$65,000 under budget and 8 months ahead of schedule.

**Project 1: Black Creek Restoration Project (McCracken Road Realignment)  
Leon County, Florida**

#### Nature of Firm's Responsibility

PBS&J provided construction engineering and inspection services for this project, which realigned McCracken Road to restore the natural flow of Black Creek. The project consisted of the construction of three stormwater ponds, drainage structures, and forested wetlands. The existing McCracken Road alignment was paved with open graded coal mix, while the new alignment was paved with type S-III asphalt concrete.

One of the major challenges facing the PBS&J staff assigned to this project was erosion control since construction took place in very environmentally sensitive area. Containment of project run-off and sediment was extremely important to PBS&J, Leon County, and the surrounding neighbors of the Miccosukee Land Coop.

The project was completed nearly \$65,000 under budget and 8 months ahead of schedule.

#### Project Owner's Contact Information

Betsy Thorpe  
Chief of Construction Management  
Leon County, Department of Public Works  
Division of Engineering  
2280 Miccosukee Road  
Tallahassee, Florida 32308  
850.606.1522



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**Project Completion Date**

October 2007

**Key Personnel Involved and Roles**

Harry Wood: Project Administrator  
Donald Lee Phillips: Inspector

***Project 2: Capital Circle Northwest Construction Engineering  
and Inspection Services  
Tallahassee, Florida*****Nature of Firm's Responsibility**

This project consisted of an urban, multi-lane, new construction with minor areas of milling and resurfacing over a two-mile length of Capital Circle Northwest (SR 263) in Tallahassee, Florida. PBS&J provided construction engineering and inspection services on this \$25.5 million, 825-day project, which began in August 2005 and was completed in late 2007.

Improvements consisted of major drainage upgrades including the construction of two stormwater ponds, one of which will become a regional facility covering 15 acres, and several box culverts. Earthwork included subsoil excavation in addition to embankment and regular excavation. Other enhancements included sidewalks, signalization, and signing.

One of the major challenges facing the PBS&J staff assigned to this project was maintenance of traffic. The construction phasing necessitated multiple shifts to the flow of traffic, many of which were not adequately addressed in the traffic control plan. Additionally, numerous businesses located along the corridor of the project required careful coordination and communication between the project personnel and the business owners.

**Project Owner's Contact Information**

William Stoutamire  
Project Manager  
Florida Department of Transportation District Three  
17 Commerce Boulevard  
Midway, Florida 32343  
850.922.7900

**Project Completion Date**

December 2007

**Key Personnel Involved and Roles**

Steven Martin, PE, Project Manager  
Jerry McClure Jr., Project Administrator  
Joseph Clark, Senior Inspector  
Timothy Cullen, Asphalt Plant Inspector  
Chad Chancey, Roadway Inspector  
Donald Phillips, Roadway Inspector  
Melvin Skipper Jr., Roadway Inspector

***Project 3: SR 8 (I-10) Construction Engineering and Inspection Services  
Gadsden County, Florida***

**Nature of Firm's Responsibility**

This \$24.1 million project for the Florida Department of Transportation District Three involved construction engineering and inspection services for the milling and resurfacing of 11 miles of SR 8 (I-10) from the US 90 interchange to the SR 267 interchange. Also, the team cracked and reseated an existing half-mile concrete "test section" within the project's limits, then applied an ARMI layer and resurfaced it with Superpave asphalt.

Other improvements included the replacement of guardrail, shoulder gutter, and all signs; installation of edgdrain using Draincrete along the lower side of the roadway; concrete ditch pavement replacement; construction of a special ditch drainage area; and replacement of 23 miles of 10-foot game fence along the corridor's right of way and in certain areas of the median.

**Project Owner's Contact Information**

William Stoutamire  
Project Manager  
Florida Department of Transportation District Three  
17 Commerce Boulevard  
Midway, Florida 32343  
850.922.7900

**Project Completion Date**

November 2009

**Key Personnel Involved and Roles**

Harry Wood, Project Manager  
Steven Martin, PE, Resident Engineer  
Jerry McClure Jr., Project Administrator  
Scott Stoutamire, Contract Support Specialist  
Christopher Todd, Senior Inspector  
Timothy Cullen, Asphalt Plant Inspector  
Chad Chancey, Roadway Inspector  
Donald Phillips, Roadway Inspector

***Project 4: SR 30A Tidal Culvert Replacement Construction Engineering and Inspection Services  
Gulf County, Florida***

**Nature of Firm's Responsibility**

PBS&J provided construction engineering and inspection services for the replacement of two existing culverts on SR 30A in Gulf County with two single span bridge structures on 24-inch square prestressed concrete piling foundations. The bridges were constructed using pre-cast deck slabs and poured keyways. Concrete sheet pilings were driven around the bridge abutments prior to pile installation.

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Stainless steel anchors were used to secure the sheetwall through the substructure cap. The concrete used on the project contained polymeric fibers to increase cracking resistance.

The \$2.7 million project included a special detour with resurfacing of a county road and a constructed diversion around the south culvert.

#### **Project Owner's Contact Information**

Johnnie Kirkland  
Project Manager  
Florida Department of Transportation District Three  
Panama City Operations Center  
3633 W. Highway 390  
Panama City, Florida 32405  
850.767.4990

#### **Project Completion Date**

January 2011

#### **Key Personnel Involved and Roles**

Harry Wood, Project Manager  
Steven Martin, PE, Senior Project Engineer  
Scott Stoutamire, Project Administrator  
Joseph Clark, Senior Roadway Inspector  
Spence Moldovan, GC, Senior Bridge Inspector  
Melvin Skipper Jr., Plant Inspector  
Jeremiah Vickers, Roadway Inspector

### ***Project 5: Multilane Widening of Capital Circle Southeast from Tram Road to Connie Drive Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

The fast-track, design-build Capital Circle Southeast construction project transformed a heavily traveled two-lane rural road into a six-lane divided urban roadway in the fastest growing section of Tallahassee.

The 3.25-mile project features significant stormwater improvements (including the addition of three stormwater ponds), curb and gutter, sidewalk, bicycle lanes, *substantial landscaping*, and a multi-use trail. A holistic approach was used to integrate the needs and desires of motorists, cyclists, and pedestrians in this award-winning project. A beautifully landscaped meandering trail offers amenities such as pedestrian lighting and scattered benches. Other features include mechanically stabilized earth walls, mast arm signalization, and lighting along the roadway.

Utility relocation and coordination efforts played a major role on this project. Nine fiber-optic carriers occupy this corridor, two of which serve the State of Florida *Emergency Management offices*. *Constant interactions* have proven successful in providing uninterrupted services. Relocation of overhead electrical distribution and transmission lines, as well as the installation of an underground electrical duct system, have continued to provide power effectively.

This project also features a Joint Project Agreement with the City of Tallahassee Water and Sewer Departments. The design and installation were completed by the contractor's team. A strong working relationship has been established with state and local agencies concerning the environmental impacts of this project. Wetlands and canopy road impacts and the intrusion into the high quality successional forest were kept to a minimum due to the project team's hard work.

Upon completion, the *Capital Circle Southeast* widening project provided the traveling public with a highly efficient, yet attractive, new way to enjoy Tallahassee.

#### **Project Owner's Contact Information**

Marek Romanowski  
Project Manager  
Blueprint 2000, an Intergovernmental Agency  
2727 Apalachee Parkway, Suite 200  
Tallahassee, Florida 32301  
850.219.1060

#### **Project Completion Date**

September 2010

#### **Key Personnel Involved and Roles**

Steven Martin, PE, Project Manager  
Scott Stoutamire, Project Administrator  
Timothy Cullen, Asphalt Plant Inspector  
Jeremiah Vickers, Roadway Inspector

### ***Project 6: Midway ARRA Grouping Gadsden, Jefferson, and Wakulla Counties, Florida***

#### **Nature of Firm's Responsibility**

The scope of work for this grouping of six projects in Gadsden, Jefferson, and Wakulla counties consisted of a turn lane construction project; a milling, resurfacing and guardrail construction project; and four sidewalk construction projects.

- **Gretna**—On the Gretna sidewalk installation project, the aim is to connect heavy residential areas along Church St. and Broad Ave. to existing sidewalks on SR 10 (US 90), allowing direct pedestrian traffic access to commercial establishments, churches, and schools. This project will serve to eliminate the hazards to the public that presently exists, while improving the quaint small town neighborhood atmosphere.
- **Jefferson**—The milling and resurfacing/guardrail construction project is located on CR 257 in Jefferson County, an important local connector consisting of two-ten foot travel lanes. This rural stretch of roadway is lined with farms, ranches, and residences.
- **Midway**—In Midway, Gadsden County, sidewalk construction connected heavy residential areas of Midway with the city hall location and other commercial establishments near SR 10 (US 90). The Midway sidewalk locations represent a significant safety upgrade for local pedestrians while enhancing access to businesses and municipal facilities.

- **Quincy**—This sidewalk project along Pat Thomas Parkway in Quincy was completed in November 2009. The location of the sidewalk enhanced pedestrian access along a busy corridor adjacent to a railroad spur.
- **St. Marks**—This project was the first ARRA project to be completed in District 3. This was also the first sidewalk to ever be constructed in St. Marks and was extremely well received by the citizens of St. Marks.
- **Wakulla**—The turn lane construction project added a northbound left turn lane with 100 feet of storage on SR 369 (US 319) at Russell Drive in Wakulla County. This turn lane construction improved the flow of traffic on SR 369 while also enhancing the safety of the traveling public at this historically dangerous intersection.

#### **Project Owner's Contact Information**

Lori Kietzer  
 Project Manager  
 Florida Department of Transportation District Three  
 17 Commerce Boulevard  
 Midway, FL 32343  
 850.922.7900

#### **Project Completion Date**

May 2010

#### **Key Personnel Involved and Roles**

Steven Martin, PE, Project Manager  
 Jerry McClure, Project Administrator  
 Jeremiah Vickers, Senior Inspector  
 Tim Cullen, Roadway Inspector

### ***Project 7: Pedestrian Safety Project City of Lynn Haven, Florida***

#### **Nature of Firm's Responsibility**

This design-build project consisted of constructing a pedestrian walkway system along approximately 7,000 feet of Mosley Drive between CR 389 and SR 77. Components of the walkway system will include meandering concrete sidewalk, curb ramps, decorative crosswalks, lighting for both motorists and pedestrians, landscaping, and additional parking at Mosley High School, guardrail, and freshened pavement markings. The intersection with State Road 77 was updated with mast arm and pedestrian signalization and a new traffic camera system was installed connecting to the Bay County Traffic Management Center.

#### **Project Owner's Contact Information**

Linda LuCante  
 Project Manager  
 City of Lynn Haven  
 825 Ohio Avenue  
 Lynn Haven, FL 32444  
 850.265.7520

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**Project Completion Date**

January 2011

**Key Personnel Involved and Roles**

Steven Martin, PE, Resident Engineer  
O. Scott Stoutamire, Project Administrator  
Melvin Skipper, Inspector  
Jeremiah Vickers, Inspector

***Project 8: LAP Sidewalk Project  
City of Chipley, Florida*****Nature of Firm's Responsibility**

This design-build project consists of constructing a pedestrian walkway system along approximately 880 feet of SR 77. Components of the walkway system included concrete sidewalk, curb ramps, earthwork, miscellaneous asphalt, and sod.

**Project Owner's Contact Information**

Dan Miner  
City Manager  
City of Chipley  
1442 Jackson Avenue  
Chipley, FL 32428  
850.638.6350

**Project Completion Date**

January 2010

**Key Personnel Involved and Roles**

Steve Martin, PE, Resident Engineer  
Harry Wood, Project Administrator  
Jeremiah Vickers, Inspector  
Melvin Skipper, Inspector

***Project 9: US 90 Intersection Pedestrian Improvements  
Jackson County, Florida*****Nature of Firm's Responsibility**

This design-build project consists of pedestrian and intersection improvements in downtown Marianna on Lafayette Street (US 90) between Madison and Green Streets.

New sidewalk was installed and several intersections had curb ramps reconstructed in compliance with the Americans with Disabilities Act. Push-button pedestrian signals were also installed for safety crossing heavily traveled US 90.

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**Project Owner's Contact Information**

Larry Alvarez, PE  
County Engineer  
2828 Owens Street  
Marianna, Florida 32446  
850.482.9677

**Project Completion Date**

May 2010

**Key Personnel Involved and Roles**

Harry Wood, Project Administrator  
Jeremiah Vickers, Inspector  
Melvin Skipper, Inspector

***Project 10: St George Island (SR 300) Road Realignment and Widening  
St. George Island, Florida*****Nature of Firm's Responsibility**

Provided CEI services for this design build project consisting of shoulder widening on SR 300 and the realignment of the adjacent fishing pier access road. Items of work included limerock base, earthwork, asphalt, signing, sodding, and pavement markings.

**Project Owner's Contact Information**

Lori Kietzer  
Project Manager  
Florida Department of Transportation District Three  
17 Commerce Boulevard  
Midway, FL 32343  
850.922.1937

**Project Completion Date**

March 2011

**Key Personnel Involved and Roles**

Steve Martin, PE, Resident Engineer  
Jerry McClure, Project Administrator  
Jeremiah Vickers, Inspectors

## Current Relevant Projects

Project Name	Description	Applicable Project Components										
		Construction Engineering/Inspection	Testing and Testing Coordination	Project Management	Compliant with FDOT Procedures	Area Regulation/Code Compliance	Project Controls	Structural Components	Construction Oversight	Environmental Considerations	Transportation Components	Drainage Components
SR 65 Liberty County, Florida	25.6 miles of milling, resurfacing, widening, drainage improvements, guardrail, and performance turf through a very environmentally sensitive area.	■	■							■	■	
Capital Circle Southeast Leon County, Florida	Construction of a heavily traveled two-lane, rural road into a six-lane, divided urban roadway in the fastest growing section of Tallahassee									■		■
Buck Lake Road Phase III Leon County, Florida	Construction observation and project management on an as-needed basis.			■	■	■		■				■

## Quality Assurance Process and Procedures

In PBS&J's role as your CEI, our focus will be the quality of the project and deliverables you receive. We will utilize a quality system that combines the traditional practices of QA/QC with the additional benefits of continuous quality improvement (CQI). PBS&J will make certain the quality of the deliverables received meet required objectives, standards, and specifications of Leon County.

Quality Control reviews will be conducted by Judith A. Sobczak at a minimum of every six months during the life of the CEI contract. Also, an initial QA review will be performed after the first ten days of asphalt paving to verify all sampling, testing, inspection, and documentation meet Leon County's expectations and requirements.

The general purposes of these reviews are to:

- Assess the level of conformance with contract administration as outline in the Leon County CEI contract and established procedures.
- Assess the level of conformance with the project inspection requirements as outlined in the specifications, special provisions, and plans.
- Confirm changes are deemed necessary based on findings from previous or other reviews are implemented, as appropriate.

A major factor involved in PBS&J's QC program is extensive employee training to enhance the quality of services performed through education and awareness of the recommended standards of professional practice.



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PBS&J has developed a comprehensive QC program, contain in our "CEI Quality Assurance Manual." This document is a ready reference providing extensive checklists for CEI procedures and standards. The manual has also been updated to encompass *many of the same* issues disseminated in the CPAM. Through proper application of the professional charge placed on us and conformance with the guideline and procedures established in our QA manual and Leon County's quality assessment procedures, the objective of excellence in professional services can be achieved.

## **Basic and Special Resources**

All field personnel are equipped with specialty equipment necessary to perform tests and task. On all concrete testing, equipment includes slump cone, roller-meter, and pressure meter. With regards to earthwork testing, the team is equipped and licensed to operate nuclear density gauges. The staff are equipped with laptop computers and cell phones. The CEI group owns a fleet of 10 full size pick-up trucks and 3 SUV's to accomplish assigned task.



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.

# D

## Effect of Firm's Recent, Current and Projected Workload

Construction Engineering and Inspection

### Current Projects and Completion Dates

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

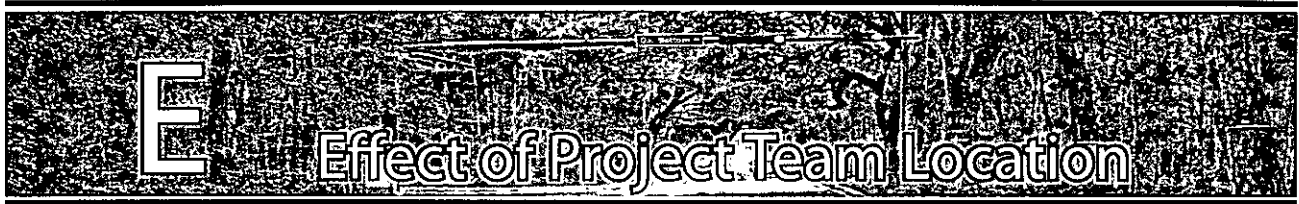
Construction Engineering and inspection Current Workload		
Project Name	Description	Anticipated Completion Date
SR 65 Liberty County, Florida	CEI for 25.6 miles of milling, resurfacing, widening, drainage improvements, guardrail, and performance turf through a very environmentally sensitive area.	2011 (December)
Capital Circle Southeast Leon County, Florida	CEI Services for the reconstruction of Capital Circle NW/SW from SR371 to US90	2012
Buck Lake Road Phase III Leon County, Florida	Construction observation and project management on an as-needed basis.	2011 (August)

### Ability to Absorb Leon County Projects

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

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. **PBS&J will be fully available and accessible to meet the needs of the County.**



*Construction Engineering and Inspection Services*

## **Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### ***Community Involvement***

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.

# F

## Approach to the Project

*Construction Engineering and Inspection*

### **Approach to Accepting and Completing Projects**

*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 key to the success of any construction project is the preliminary preparation before construction begins. The assigned team has been through this process many times on similar projects and, if selected, is prepared to take charge of these activities.

- Schedule and attend, within ten days after the Notice to Proceed, a pre-service Conference
- Schedule and attend, within ten days after the Notice to Proceed, a Final Estimate informational meeting with the Leon County Office.
- Schedule within ten days after the Notice to Proceed, a date to attend SiteManager/EDMS informational meeting

Construction Environmental Liaison within ten days after the Notice to Proceed Verify that the Contractor is conducting inspections, preparing reports and monitoring all storm water pollution prevention measures associated with the project

- Analyze the Contractor's schedule
- Analyze problems that arise on a project and proposals submitted by the Contractor, work to resolve such issues, and process the necessary paperwork
- Monitor, inspect and document utility construction for conformance with Utility Agency's Water and Sewer Standards and the Utility Agency's Approved Materials List
- Produce reports, verify quantity calculations and field measure for payment purposes as needed to prevent delays in Contractor operations and to facilitate processing of such information in order for the Department to make timely payment to the Contractor
- We are prepared to provide supplementary staff to support Leon County's inspection teams
- Prepare and make presentations for meetings and hearings before the Dispute Review Boards
- Prepare newsletters for distribution to adjacent property owners
- Prepare and submit to the Construction Project Manager monthly, a Construction Status Reporting System report
- We shall have a digital camera for photographic documentation of preconstruction state and of noteworthy incidents or events during construction

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Some other preliminary activities include:

- Schedule survey crew to recover horizontal control and perform bench mark elevation checks as needed
- Transmit survey data to the contractor and note any change from plan information
- Compare original terrain line to field conditions to determine if additional check sections are needed prior to clearing and grubbing; obtain concurrence from the contractor to ensure they accept the original terrain line
- Review contract for lump sum requirements
- Review plans prior to construction for errors and omissions
- Review permits from regulatory agencies to determine special requirements during construction
- Schedule and conduct preconstruction meeting and distribute minutes to attendees
- Review of the contractor's schedule of values submittal for progress payments
- Request required documents from contractor to be delivered at preconstruction conference
- Review work schedule as submitted by the contractor to determine if the logic and activity durations are reasonable
- Establish ourselves as the primary liaison between the contractor, Leon County, the designer, etc
- Video tape the entire project prior to construction, including the condition of adjoining property

Our team has proven diverse CEI experience with an extensive background in Site Manager, contractor quality control (CQC), laboratory information management system (LIMS), contractor past performance rating (CPPR), hummingbird, and construction project administration manual (CPAM). Our staff is experienced in all required testing procedures including drainage pipes and structures, embankment, asphalt, and concrete.

During the construction process, our team will act as an extension of Leon County's staff and be the first point-of-contact for issues related to the project. It will be our responsibility to see the project is constructed in accordance with the plans and specifications, and our goal is to complete the project with all issues resolved and permit requirements satisfied.

Daily activities during construction include:

- Monitoring and recording construction activities including construction methods, conflicts or changed conditions, and contractor resources committed to these activities
- Sampling and testing to verify all materials incorporated into the project meet applicable specifications
- Maintaining an updated set of as-built plans
- Conducting coordination and pre-activity meetings prior to major work items begin
- Processing and responding to request for information (RFI)
- Tracking shop drawing submittals

- Recording lump sum pay quantities in preparation of submittal of monthly and final pay request to the County
- Providing the Leon County project manager with periodic reports of construction progress, percent of work complete, outstanding issues, and status of supplemental agreements and contract funds
- Scheduling and conducting weekly progress meetings
- Investigating notices of changed conditions from the contractor and preparing a cost estimate for extra work
- Reviewing cost estimate with the Leon County project manager and negotiating cost for extra work, if there is entitlement
- Monitoring the contractors effort to install, inspect and report on storm-water pollution control as required by the NPDES general permit
- Updating the approved baseline schedule and meeting monthly with the contractor to review and agree on the updated schedule

Final estimate certification and documentation will begin on day one of the CEI services and will be a continuous effort throughout the life of the project. Necessary review functions of the final estimate will be performed during the project in order to certify the final estimate package at the end of the job. This will further assist PBS&J with the final estimates process at the completion of the project. Our staff will update plan sheets throughout the construction process to reflect design changes and updates. In addition she will import design files into Multiline to identify with quantity milestones.

### ***Quality Control***

In PBS&J's role as your CEI, our focus will be the quality of the project and deliverables you receive. We will utilize a quality system that combines the traditional practices of QA/QC with the additional benefits of continuous quality improvement (CQI). PBS&J will make certain the quality of the deliverables received meet required objectives, standards, and specifications of Leon County.

Quality Control reviews will be conducted by Judith A. Sobczak at a minimum of every six months during the life of the CEI contract. Also, an initial QA review will be performed after the first ten days of asphalt paving to verify all sampling, testing, inspection, and documentation meet Leon County's expectations and requirements.

The general purposes of these reviews are to:

- Assess the level of conformance with contract administration as outline in the Leon County CEI contract and established procedures.
- Assess the level of conformance with the project inspection requirements as outlined in the specifications, special provisions, and plans.
- Confirm changes are deemed necessary based on findings from previous or other reviews are implemented, as appropriate.

A major factor involved in PBS&J's QC program is extensive employee training to enhance the quality of services performed through education and awareness of the recommended standards of professional practice.



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PBS&J has developed a comprehensive QC program, contain in our "CEI Quality Assurance Manual." This document is a ready reference providing extensive checklists for CEI procedures and standards. The manual has also been updated to encompass many of the same issues disseminated in the CPAM. Through proper application of the professional charge placed on us and conformance with the guideline and procedures established in our QA manual and Leon County's quality assessment procedures, the objective of excellence in professional services can be achieved.



**SUBDIVISION AND SITE DEVELOPMENT ENGINEERING**

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Subdivision and Site Development Engineering	7	7	30

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Subdivision and Site Development Engineering									
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Landscape Architecture	Stormwater Engineering	Structural Engineering	Utility	Architectural	Tree Mitigation
Michael A. Scibelli, PE	Client Service/Project Manager	Tallahassee, FL	14 (14)		■		■		■
Norman F. Robertson, PE	Project Engineer	Tallahassee, FL	7 (0)		■		■		■
William K. Johnson, PE, PLS, CFM	Senior Civil Engineer	Tallahassee, FL	15 (15)		■	■	■		■
Mario Riviaccio	CAD Manager	Tallahassee, FL	15 (1)	■	■	■	■	■	■
Glenn C. Brown Jr., PE	Senior Civil Engineer	Tallahassee, FL	11 (22)		■	■	■		■
Robert L. Farley, RLA, LEED AP	Certified Arborist	Tallahassee, FL	7 (27)	■				■	■
Dannie S. Bracken	Senior Designer	Tallahassee, FL	32 (7)	■	■	■	■		■

## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter & Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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**  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050  
  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killlearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### **HSA Consulting Group, Inc. (HSA) –**



**HSA Consulting Group**

*HSA  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308*

*ph. 850.309.7510  
fax: 850.309.0246*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida*

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions.. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business

Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### HSA Local Experience

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### ***Nodarse & Associates, Inc. (N&A) – Geotechnical***

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.



### N&A Local Experience

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter > Mitchell*  
 117 South  
 Gadsden Street  
 Tallahassee,  
 Florida 32301  
 Ph. 850.681.3200  
 fax 850.681.7200

### *Salter > Mitchell, Inc. – Public Relations*

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

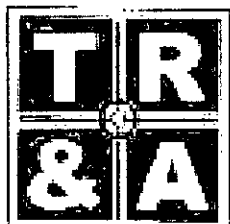
Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

### Salter Mitchell Local Experience

- Killearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations

### *Thurman Roddenberry and Associates, Inc. (TR&A) – Survey*



TR&A  
125 Sheldon Street  
P.O. Box 100  
Sopchoppy, FL  
32358-0100  
ph. 850.962.2538  
fax 850.962.1103

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.

### TR&A Local Experience

- "M" Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

# Subdivision and Site Development Engineering



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Michael A. Scibelli, PE**  
Project Manager  
Tallahassee

**Norman F. Robertson, PE**  
Project Engineer  
Tallahassee

**William K. Johnson, PE, PLS, CFM**  
Senior Civil Engineer  
Tallahassee

**Mario Riviuccio**  
CAD Manager  
Tallahassee

**Glenn C. Brown Jr., PE**  
Senior Civil Engineer  
Tallahassee

**Robert L. Farley, RLA, LEED AP**  
Certified Arborist  
Tallahassee

**Dannie S. Bracken**  
Senior Designer  
Tallahassee

# Michael A. Scibelli, PE

*Client Service Manager, Project Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall client service manager for all civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the primary client service manager for Leon County and he has served as the project manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for more than seven years and is committed to continuing to be Leon County's client service manager and a project manager to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA Big Bend chapter as Projects of the Year. One such project was the Killcam Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1,300 residents of Killcam Lakes Plantation Units 1 & 2. The neighborhood experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5-percent of the County's original budget estimate. During the entire project, only one tree was removed after more than 100,000 feet of sewer pipe was installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the city limits. This project was permitted and built and the final cost was approximately 20-percent below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association  
Water Environment Federation (WEF)  
Society of American Military Engineers (SAME)

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the past 10 years**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

**Recent Leon County Projects:**

**Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

**Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

**Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

**Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killearn Lakes Sidewalks Design, Permitting & Construction Administration.

**Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

**Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

**Utility Engineering**

- Project manager for Killearn Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# Norman F. Robertson, PE

*Project Engineer*

*Past Job Assignments: Contract Administrator, Project Manager*

*Years with PBS&J: 7*

*Years with Other Firms: 0*



## Education

B.S., Engineering Management,  
University of Missouri-Rolla,  
2004

## Registrations/Licenses

Professional Engineer  
Florida, 69785, 2009

## Professional Development

Qualified Stormwater Management  
Inspector, Florida Department  
of Environmental Protection,  
March 8, 2005.

Interconnected Pond Routing  
(ICPR) Stormwater Modeling  
Training, Streamline  
Technologies, Inc., Winter  
Park, Florida, Spring 2006.

## Professional Affiliations

Project Management Institute (PMI)  
Water Environment Federation  
(WEF)

Florida Water Environment  
Association (FWEA)

Mr. Robertson serves as an engineer with PBS&J's engineering division in the Tallahassee office. He has seven years of general civil engineering experience involving stormwater, water, sewer, roadway, and site design. He also has experience working with the risk and emergency management group, aiding in the facilitation of hurricane relief projects. He has also served as a contract administrator providing services during construction for a local community development district (CDD).

Mr. Robertson's PBS&J project experience includes:

**Project Name: Southwood Community, Capital Region CDD, Tallahassee, Florida.**

**Type of Project: Subdivision Site Design**

**Size of Project:** Approximately \$4.3 million to date. This project provided comprehensive consulting services to Gee & Jenson and CH2M-Hill for nearly all the infrastructure within Southwood. These services include planning, engineering design and analysis, construction drawings, permitting, bidding and construction administration for more than 15 site layouts and many subdivision backbone roadways on site and off site. The various components of the projects have consisted of roadway and traffic design, neighborhood and regional stormwater management facilities and conveyances, potable water distribution, sewer collection systems, lift stations, environmental permitting services, landscape architecture, irrigation design, and permitting. Other services include attendance at board meetings, assistance in preparation of Community Development District documents including engineer's reports, and providing assistance during contractor's prequalification.

**Specific Project Involvement:** Mr. Robertson serves as a contract administrator responsible for provided client services during construction; this project involved managing more than 15 contracts between the CDD and the contractor. This includes providing quantity takeoff calculations, cost estimating, bidding, awarding a contract, managing the contract, conflict resolution, project inspection, and facilitating the final acceptance with all local and state municipalities. Mr. Robertson has also provided design services for several roadways throughout the Southwood development. These services include stormwater design, water and sewer design, lift station design, grading, roadway alignment, and sidewalk design.

**Project Name: Killearn Lakes Stormwater Study – Unit 1, Unit 2, and Unit 3 Leon County Public Works, Leon County, Florida.**

**Type of Project: Stormwater Study**

**Size of Project:** Approximately \$300K. PBS&J conducted a preliminary stormwater study of the established Killearn Lakes Subdivision for Units 1, 2, and 3. PBS&J provided conceptual design plans to alleviate flooding problems throughout the community.

**Specific Project Involvement:** Mr. Robertson was a design engineer responsible for due diligence, site evaluation, stormwater calculations, and plans preparation. This project includes providing an "out of the box" approach to providing flood relief to a large neighborhood with a history of flooding.

Norman F. Robertson, PE  
Project Engineer

**Project Name: Salamanca Ct Stormwater Improvements, Leon County Public Works, Leon County, Florida.**

**Type of Project: Stormwater Improvement**

**Size of Project:** Approximately \$50K. PBS&J provided engineering and consulting services to Leon County Public Works to evaluate and determine a solution for a flooding problem on Salamanca Ct. and Palencia Ct. located in Leon County.

**Specific Project Involvement:** Mr. Robertson served as a project engineer in the design and permitting of stormwater facilities to aid in flood relief of an existing neighborhood.

**Project Name: Leon County Sidewalks, Leon County Public Works, Leon County, Florida.**

**Type of Project: Sidewalk Retrofit Design**

**Size of Project:** \$47K PBS&J provided engineering and consulting services to Leon County Public Works to provide a sidewalk design within existing roadway right-of-way.

**Specific Project Involvement:** Mr. Robertson served as a project engineer in the design and permitting of sidewalks within existing county right of way. The design included providing proper drainage, stormwater management, and ADA compliance.

**Project Name: Tradewinds of Ochlocknee Bay Resort Subdivision, Mashes Sands Beach, Florida.**

**Type of Project: Subdivision Site Design**

**Size of Project:** Approximately \$63K. PBS&J provided full design services, including civil engineering and landscape architecture, for this resort community located along the Ochlocknee Bay. The site plan maximizes views of the bay with community access to the water and marina. The design uses native plant material throughout the project. A community center with custom pool is centrally located with direct access to the water and fishing pier. The stormwater ponds are situated in park settings and are treated as focal points with paths connecting the parks to individual lots and the waterfront.

**Specific Project Involvement:** Mr. Robertson was responsible for construction administration and project approval, provided project inspections, and authorized payments to contractor.



# William K. Johnson, PE, PLS, CFM

*Senior Civil Engineer*

*Past Job Assignments: Project Manager, Project Engineer*

*Years with PBS&J: 15*

*Years with other Firms: 15*



## Education

B.S., Civil Engineering, University of Central Florida, 1985

## Registrations/Licenses

Professional Engineer

Florida, 41040, 1990

Georgia, 23623, 1997

Mississippi, 19334, 2009

Professional Surveyor and Mapper

Florida, 4845, 1990

## Certifications

Certified Floodplain Manager (CFM), Florida

## Honors and Awards

Tau Beta Pi, Engineering Honor Society

Phi Kappa Phi, Academic Honor Society

## Professional Affiliations

American Society of Civil Engineers (ASCE)

Florida Engineering Society (FES)

National Society of Professional Engineers (NSPE)

Mr. Johnson is a senior project manager/engineer in PBS&J's engineering division. He has 30 years of extensive/diverse engineering-related experience including stormwater modeling, water and sewer design, commercial site development, subdivision planning and design, boundary and topographic surveying, platting, construction layout, computer-aided design plans production, and construction administration services. Mr. Johnson is instrumental in providing management and technical support for environmental and civil engineering projects and participates in the development of stormwater management plans and the preparation of design, permitting, and construction documents for drainage systems, land development projects, roadway and utility improvements, and water and sewer systems. He is highly proficient with various methodologies used to design stormwater management facilities, and is experienced with many surface water and groundwater software packages including EPA-SWMM, XP-SWMM, and ICPR.

Mr. Johnson's recent PBS&J project experience includes:

### **Project Name: Gamble Creek Watershed Management Plan, Manatee County, Florida**

**Type of Project: Watershed Analysis**

**Size of Project: \$614,110 (Fee)**

**Specific Project Involvement:** Mr. Johnson was the project manager and lead technical professional responsible for development and production of all project deliverables. This project for the Southwest Florida Water Management District (SWFWMD) involved a basin study and the development of a hydrologic/hydraulic (H&H) model for the approximately 36,000-acre Gamble Creek Watershed located in Manatee County. The model will be used to update floodplain maps, assess recommended stormwater management improvements within the watershed, and to provide information for regulatory permitting. Project tasks included the development of topographic maps using light detection and ranging (LIDAR) data, evaluation of watershed parameters; inventory of hydraulic features, and watershed model development with parameters obtained through PBS&J's watershed analyst. The H&H modeling was performed using ICPR and contained over 800 subbasins and 1,700 reaches.

### **Project Name: Hammock Creek Watershed Management Plan, Pasco County, Florida.**

**Type of Project: Watershed Analysis**

**Size of Project: \$590,318 (Fee)**

**Specific Project Involvement:** Mr. Johnson was the project manager and lead technical professional responsible for development and production of all project deliverables. This project for SWFWMD involved a basin study and the development of an H&H model for the approximately 30,000-acre Hammock Creek Watershed located in Pasco County. The model will be used to update floodplain maps, assess recommended stormwater management improvements within the watershed, and to provide information for regulatory permitting. Project tasks included the development of topographic maps using LiDAR data, evaluation of watershed parameters, inventory of hydraulic features, and watershed model development with parameters obtained through PBS&J's

watershed analyst. The H&H modeling was performed using EPASWMM-5 and contained over 1,500 subbasins and 4,000 reaches.

**Project Name: Frenchtown Stormwater Capital Improvements Master Plan, Tallahassee, Florida**

**Type of Project: Watershed Analysis**

**Size of Project: \$591,109 (Fee)**

**Specific Project Involvement:** Mr. Johnson was the project manager and lead technical professional responsible for model development and production of technical deliverables. This project for the City of Tallahassee involved the development of the Frenchtown Stormwater Capital Improvements Master Plan for the 900 acre Frenchtown watershed. The scope of work included defining the existing stormwater flooding and erosion problems by analyzing both primary and secondary conveyance systems including overland flow; identifying the causes, extents, and magnitudes of the flooding; developing both structural and nonstructural solution alternatives for alleviating the problems; and developing a public relations program. The H&H modeling was performed using XP-SWMM and contained over 270 subbasins and 600 reaches.

**Project Name: Southwood Stormwater Facilities Master Plan (SFMP), Southeast Tallahassee, Florida.**

**Type of Project: Stormwater Master Plan**

**Size of Project: \$375,000 (Fee)**

**Specific Project Involvement:** Mr. Johnson was the project manager and lead technical professional responsible for providing comprehensive stormwater analysis and a design manual for the 3,200-acre Southwood development located in southeast Tallahassee. This project encompassed six watersheds and over 7,000 acres of contributing area, the SFMP incorporates elements of data collection, monitoring, geographic information systems (GIS), conceptual design, database management, and XPSWMM stormwater modeling to achieve goals established by the City of Tallahassee stormwater management division.

Before joining PBS&J, Mr. Johnson provided engineering and land surveying services for numerous commercial, residential, industrial, and institutional projects in the central Florida area. From 1991 to 1996, Mr. Johnson also served as engineering consultant to the Ranger Drainage District, a state water control district managing 9,900 acres of land in east Orange County. As the district engineer, he initiated and completed a program to map the district's drainage facilities, provided stormwater modeling services, produced plans for the construction of drainage and maintenance facilities, provided construction administration services, and acted as the district's representative for interaction with governing jurisdictional authorities including the St. Johns River Water Management District, U.S. Army Corps of Engineers (USACE), U.S. Environmental Protection Agency (EPA), and Orange County (Florida).

# Mario Riviuccio

*CAD Manager*

*Past Job Assignments: CAD Manager*

*Years with PBS&J: 15*

*Years with other Firms: 1*



## Education

B.S., Construction Engineering  
Technology, Florida A&M  
University, 1994

Mr. Riviuccio is the CAD manager for the Tallahassee office. He supervises the production group in the Tallahassee office, and provides technical and graphics production support for roadway plans, site plans, planning reports, and proposals. Mr. Riviuccio organizes and maintains a database of all the projects that the civil group has worked on, and maintains CAD standards for the Tallahassee office. Mr. Riviuccio's experience includes:

**Project Name: Killearn Lakes Plaza Lot 2 Block A**

**Type of Project: Site Development**

**Size of Project:** \$21,000 (fees). The development consists of a 25,920-square-foot building with a mix of office and retail uses, along with associated parking, walks, and utilities, on a 1.34-acre site.

**Specific Project Involvement:** Mr. Riviuccio did most of the design and all of the plans preparation for this project. He prepared and submitted a Type "A" Site Plan, and an Environmental Management Permit with Leon County. He also provided limited construction inspection services, and prepared a certified compliance report.

**Project Name: Comfort Creek**

**Type of Project: Subdivision Infrastructure**

**Size of Project:** \$500,000 (approximate fees) The development consists of a residential subdivision of 94 lots in three Phases on a ±471-acre site in Gadsden County.

**Specific Project Involvement:** Mr. Riviuccio did most of the plans preparation for this project. He also assisted with permit submittals.

**Project Name: The Pavilions at Westcott Lakes**

**Type of Project: Site Development**

**Size of Project:** \$375,000 (approximate fees) The development consists of 76,000-square-foot of buildings on a 10.29-acre site.

**Specific Project Involvement:** Mr. Riviuccio oversaw the plans preparation for this project and assisted with permit submittals.

**Project Name: Southwood**

**Type of Project: Subdivision Infrastructure**

**Size of Project:** \$50 million (construction costs). The development consists of a 3,200-acre development, that PBS&J has been the primary engineer and consultant for the past 13 years. In the past five years, PBS&J has designed and permitted Units 26, 30, 31, 32, and 35 subdivisions.

**Specific Project Involvement:** Mr. Riviuccio has worked on the Southwood project from the beginning, as the primary graphics and plans preparer for the development of regional impact (DRI), planned unit development (PUD), public meeting graphics, and construction plans for the development. Mr. Riviuccio also prepared and coordinated utility duct bank plans for the project, and Natural Features Inventory maps and graphics.

Mr. Riviuccio is fluent in Spanish, and he has worked in the field on projects in the Dominican Republic.

## Glenn C. Brown Jr., PE

Senior Engineer

Past Job Assignments: Project Engineer

Years with PBS&J: 11

Years with other Firms: 22



### Education

M.S., Civil Engineering, Auburn University, 1977

B.S., Civil Engineering, Auburn University, 1976

### Registrations/Licenses

Professional Engineer

Florida 31911, 1982

Alabama 23233, 1999

Mr. Brown is a senior engineer in PBS&J's north Florida civil engineering services division. He has 33 years of civil engineering experience providing project development, management, design, permitting, and construction administration services for land development and planning projects in both the private and public sectors. His expertise includes modeling and design of stormwater management facilities, subdivision layout, roadway planning and design, design of water supply systems, and designs for sanitary sewer systems. Mr. Brown's work assignments have included projects in the southeastern United States, Missouri, and Texas, and his international experience includes projects in Afghanistan, Spain, Antigua, Bahamas, and U.S. Virgin Islands.

Relevant work experience includes:

#### **Project Name: St. Joe/Arvida Project Management**

**Type of Project: Construction Management**

**Size of Project: \$4.2 million Design Fees**

**Specific Project Involvement:** PBS&J design and planning teams from Tallahassee, Jacksonville, Panama City, Orlando, and Tampa work on St. Joe Towns and Resorts Company projects throughout Florida. Mr. Brown provides program management, contracting assistance, and financial administration, as well as quality assurance/quality control (QA/QC), for West Florida projects. His responsibilities include general oversight on projects that have totaled over \$4.2 million in design costs. Project managers under this program provide design and consulting services that require coordination with architects and other professional subcontractors.

#### **Project Name: WaterColor**

**Type of Project: Civil Design and Site Planning**

**Size of Project: \$7 million Design Fees**

**Specific Project Involvement:** A 1,100-acre coastal resort development in Walton County, Florida. This project, exhibiting the "New Urbanism" concept included a Development of Regional Impact (DRI), planned unit development (PUD), civil design, environmental permitting, development of a habitat conservation plan, and construction administration. This project was a recipient of the Urban Land Institute's (ULI), 2004 Award for Excellence.

#### **Project Name: WaterSound**

**Type of Project: Civil Design and Site Planning**

**Size of Project: Design Fees Confidential by Contract**

**Specific Project Involvement:** A 252-acre coastal resort development in Walton County, Florida. This New Urbanism project included a PUD, civil design, environmental permitting, development of a habitat conservation plan, and construction administration.

#### **Project Name: SouthWood**

**Type of Project: Civil Design and Site Planning**

**Size of Project: Design Fees Confidential by Contract**

**Specific Project Involvement:** A 3,200-acre mixed-use DRI in Tallahassee, Florida. For this project, another project following the New Urbanism concept, Mr. Brown provided technical assistance in the areas of stormwater management, permitting, site planning and coordination between the various

disciplines associated with the project.

**Project Name: Weatherills Resort**

**Type of Project: Master Planning and Conceptual Engineering**

**Size of Project: \$250,000 in Design Fees**

**Specific Project Involvement:** A 33-acre mixed-use development including a Four-Star hotel in Antigua, West Indies. Mr. Brown assisted with the master planning and conceptual engineering including local permitting for this Caribbean resort. The facility design elements include site design, stormwater, coastal design of a beach and erosion control structures and marina.

**Project Name: Barrier Dunes**

**Type of Project: Civil Design and Site Planning**

**Size of Project: \$325,000 in Design Fees**

**Specific Project Involvement:** A 35-acre, multi-family residential coastal development located on Cape San Blas, Florida. Mr. Brown was responsible for engineering elements of the master plan, infrastructure design, environmental permitting and construction management. The project included design, permitting and construction of a self contained sanitary sewer treatment plant, two lift stations and supporting treatment ponds.

**Project Name: Golden Eagle Unit 1**

**Type of Project: Civil Design and Site Planning**

**Size of Project: \$225,000 in Design Fees**

**Specific Project Involvement:** A 140-acre single-family golf development located in Tallahassee, Florida. Mr. Brown was responsible for engineering elements of the master plan, local and state permits and design of all infrastructure (civil) components. The project included permitting and management of construction elements for the community's sanitary sewer treatment facility.

**Project Name: Golden Eagle Unit 2**

**Type of Project: Civil Design and Site Planning**

**Size of Project: \$150,000 in Design Fees**

**Specific Project Involvement:** A 52-acre single-family golf development located in Tallahassee, Florida. Mr. Brown was responsible for engineering elements of the master plan, local and state permits and design of all infrastructure (civil) components. Project design services included pump stations for both sanitary conveyances and golf course irrigation.

**Project Name: Marsh View**

**Type of Project: Civil Design and Site Planning**

**Size of Project: \$150,000 in Design Fees**

**Specific Project Involvement:** A 20-acre, single-family, zero-lot-line coastal development located near St. Augustine, Florida. Mr. Brown was responsible for engineering elements of the master plan, infrastructure design, environmental permitting and construction management.

# Robert L. Farley, RLA, LEED AP

*Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida  
Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager  
U.S. Green Building Council (USGBC) LEED AP  
ISA Certified Arborist  
GRHC Accredited Green Roof Professional  
FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects  
Florida Native Plant Society  
National Roadside Vegetation Management Association  
Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

**Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

**Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Ac.**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

**Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Ac.**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

**Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Ac.**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Certified Arborist*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Ac.**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Ac.**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Ac.**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Ac.**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# Dannie S. Bracken

*Senior Designer*

*Past Job Assignments: Sr. Designer, Documents Coordinator, Special Projects Manager*

*Years with PBS&J: 32 Years*

*Years with other Firms: 7 Years*



## Education

A.A., Civil Engineering,  
Tallahassee Community  
College, 1986

Mr. Bracken is special projects manager for PBS&J's north Florida civil engineering services division. He has 39 years of extensive experience in providing road, utility, and grading design for various projects, including the design of water systems, sanitary sewage, drainage, roadways, and subdivisions. He has assisted PBS&J project engineers with the development of shopping centers, large multi-unit subdivisions and office complexes, and government and university buildings. He is currently responsible for data collection, obtaining geotechnical and surveying services, coordinating between engineering and production staff at PBS&J, and coordinating with review agencies in the preparation of contract documents as well as awarding and administering construction contracts.

His relevant work experience includes:

**Project Name: FSU Parking Garage Numbers Five and Conference Center**

**Type of Project: Site design for a five-story parking garage with an adjoining three-story conference center on FSU main campus.**

**Size of Project (dollar amount and scope): Design fee of \$90,000 to provide site design including grading, storm drainage and utilities.**

**Specific Project Involvement:** Mr. Bracken was project manager in charge of coordination with the Architect and design build contractor, site design, overseeing plans production, and preparing and submitting permit applications. Mr. Bracken also provided the utility design, cost estimates, and construction administration.

**Project Name: FSU Intramural Fields**

**Type of Project: Construction of 12 intramural fields, 2 tournament fields and 5 softball fields on 80 acres in Tallahassee, Florida**

**Size of Project (dollar amount and scope): Design fee of \$85,000 to provide construction documents and permitting.**

**Specific Project Involvement:** Mr. Bracken was project manager in charge of producing construction plans, specifications and submitting permit applications. He also provided the design for site grading, stormwater collection and management facilities, utilities, field layouts, and construction administration.

**Project Name: Southwood Subdivision**

**Type of Project: Site development of residential and commercial units and subdivision infrastructure.**

**Size of Project: 3,200-acre subdivision**

**Specific Project Involvement:** Mr. Bracken assisted the project manager and provided roadway design, lot layout, grading, water, sewer, and storm designs. He also provided assistance in the land use and environmental permitting.



# B

## Experience with Projects of a Similar Type and Size

*Subdivision and Site Development Engineering*

### Relevant Project Experience

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 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 role of each

*PBS&J began preliminary design work on The Pavilions at Westcott Lakes in 2009, and had acquired all necessary permits by February 2011. Construction is anticipated to begin later this year.*

#### **Project 1: The Pavilions at Westcott Lakes, Southwood, Tallahassee, Florida**

##### **Nature of Firm's Responsibility**

The Pavilions at Westcott Lakes is a proposed Health Care Facility to be located on Lot 1, Phase 4 of Unit 35 in the Southwood Subdivision, being developed by Praxeis, LLC. PBS&J designed the infrastructure, which included the public roadways, water and sewer, reuse water, and stormwater. The roadways, Legacy Road, and Morning Mist Way will connect this lot to Merchants Row Boulevard and Tram Road. The water and sewer are a part of the water and sewer master plan.

The Health Care Facility consists of five interconnected buildings, welcome center, and a central plant maintenance facility. Within the health care buildings are the one-story Pavilion, two four-story assisted living wings, and two four-story skilled nursing wings. PBS&J began preliminary design work in 2009, and had acquired all necessary permits by February 2011.

##### **Project Owner's Contact Information**

Jonathan A. Corbin  
Executive Vice President, PRAXEIS  
4250 Lakeside Dr., Suite 214, Jacksonville, FL 32210  
904.381.0431 ph.

##### **Project Completion Date**

Design and permitting completed March 2011; Construction anticipated to begin May 2011

##### **Key Personnel Involved and Roles**

- Dannie Bracken, Senior Designer
- Chris Daniels and Mario Rivieccio, Plans Preparation

- Robert Farley, Landscape Architect
- Austin Carroll and Hal Fravel, Environmental

### ***Project 2: First District Court of Appeal, Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

The building is three stories high with an additional level below grade housing a secure underground parking garage, utility area, and storage space. The three stories above grade contain two courtrooms, law libraries, records storage, and offices for up to 20 Court of Appeal judges and their support staff.

The façade of the building is composed of brick and pre-cast panels in a classical style. The development was multi-phased and consisted of the court facility of the First District Court of Appeal, parking, drives, and stormwater management facilities in Phase I (south side). An additional commercial building with parking and drives was constructed in Phase II (north side). The development is located on CCOC Parcel 3 in the northeast corner of Capital Circle Southeast and Drayton Drive. It is bounded on the east by Esplanade Way and on the north by Unit 5 of the Southwood subdivision.

*The proposed development was multi-phased and Phase I consisted of the court facility of the First District Court of Appeal, parking, drives, and stormwater management facilities.*

There are two centrally located interconnected ponds on the southern boundary. The southern ponds act together to achieve the rate attenuation, volume retention, and treatment requirements prior to discharging to the conveyance system on Drayton Drive.

#### **Project Owner's Contact Information**

Gene Nicoloso, Department of Management Services  
Real Estate Development & Management  
Project Management and Oversight  
4050 Esplanade Way, Suite 335G, Tallahassee, FL 32399-0950  
850.488.2521 ph.

#### **Project Completion Date**

January 2011

#### **Key Personnel Involved and Roles**

- Dannie S. Bracken, Project Manager and Designer
- Chris Daniels and Mario Riviuccio, Plans Preparation
- Dave Farley, Landscape Architect

### ***Project 3: Southwood Unit 26, Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

Unit 26 consists of approximately 18.49 acres of land and 56 residential lots designated as LSF-7 and LDR-13 within the Southwood development of regional impact (DRI) and planned unit development (PUD). The project is south of the single-family residential out-parcel and private cemetery, north of Unit 25, east of the Golf Course and west of Biltmore Avenue. The proposed development activity consists of construction of internal roadways, utilities, stormwater conveyance, water distribution, sanitary sewer collection, landscape, and irrigation systems. A 25-foot strip has been set aside on the north boundary between the subdivision and the cemetery for future construction of the St. Marks Trail.

PBS&J prepared a mass grading plan within Block C of LSF-7 to construct roadways that do not exceed slope requirements and still match with existing adjacent roadways of Strolling Way and Biltmore Avenue. PBS&J began design services in 2007, all permits were acquired in 2007, and construction was completed in September 2008.

**Project Owner's Contact Information**

James A. Perry  
 Capital Region Community Development District  
 475 West Town Place, Suite 114, World Golf Village, St. Augustine, FL 32092  
 904.940.5850 ph.

**Project Completion Date**

September 2008

**Key Personnel Involved and Roles**

- Dannie Bracken, Senior Designer
- Chris Daniels and Mario Rivieccio, Plans Preparation
- Robert Farley, LEED AP, Landscape Architect
- Austin Carroll and Hal Fravel, Environmental

*The construction of Orange Avenue East and Biltmore Avenue provides the necessary backbone roadway network for good traffic circulation for this proposed project as well as the eastern portion of Southwood.*

**Project 4: Southwood Unit 31, Tallahassee, Florida**

**Nature of Firm's Responsibility**

Unit 31 consists of +/-32.23 acres of land located within Phase 2 of the Southwood Subdivision. The plat will consist of low density residential (LDR-9) and open space. The site is bounded on the north by future LDR-5 and MDR-13 parcels, a future infill area between Orange Avenue East and Goldenrod Way is MDR-5 and NVC-1, on the east by open space, on the west by the Southwood Golf Course, Unit 29 Residential, and on the south by Future LSF-7, and open space.

Unit 31 will consist of 69 residential dwelling units ranging from 0.72-acre to 0.06-acre. In addition to development of the 69 residential lots, plans include the extension of Biltmore Avenue from its current terminus at Southwood Plantation Road at the north end of Unit 26, extending north to the easterly extension of Orange Avenue East. Orange Avenue East is proposed to be extended from Mossy Creek Lane to Biltmore Avenue.

The construction of Orange Avenue East and Biltmore Avenue provides the necessary backbone roadway network for good traffic circulation for this proposed project as well as the eastern portion of Southwood itself.

PBS&J began design services in 2007, all permits we're acquired in 2007, and construction began in 2010.

**Project Owner's Contact Information**

James A. Perry  
 Capital Region Community Development District  
 475 West Town Place, Suite 114, World Golf Village, St. Augustine, FL 32092  
 904.940.5850 ph.

**Project Completion Date**

Design and permitting completed December 2007. Construction began in 2010. Project is on hold due to market conditions, unknown completion date.

**Key Personnel Involved and Roles**

- Dannie Bracken, Senior Designer
- Chris Daniels and Mario Rivieccio, Plans Preparation
- Robert Farley, LEED AP, Landscape Architect
- Austin Carroll and Hal Fravel, Environmental

**Project 5: Southwood Unit 32, Tallahassee, Florida****Nature of Firm's Responsibility**

*Southwood Subdivision consists of medium density residential and large rights-of-way for the preservation of trees. Small common areas are provided to preserve additional trees and/or provide breakage in block lengths and room for utilities.*

Unit 32 consists of +/-26.41 acres of land located within Phase 2 of the Southwood Subdivision. The subdivision consists of medium density residential (MDR-5) and large rights-of-way for the preservation of trees. Small common areas are provided to preserve additional trees and/or provide breakage in block lengths and room for utilities. The site is bounded on the north by Orange Avenue East (Unit 31), on the east by Neighborhood Village Center (NVC-1), on the west by the Mossy Creek Lane (Unit 29), and on the south by Goldenrod Way (Unit 31).

Unit 32 will consist of 101 residential dwelling units. All roads within the Unit 32 boundary are local residential streets with 13-foot travel lanes and curb and gutter. Water and sanitary sewer service lines will be constructed within the road rights-of-way and utility easements of the Unit 32 development, considering the overall service area for Southwood. Sewer lines within Unit 32 will connect to the existing main line located under Mossy Creek Lane (Unit 29), and the proposed lines located under Orange Avenue East (Unit 31) and Goldenrod Way (Unit 31). The sewer depth was established to provide sewer service to the main structure and the rear garage. This subdivision has some wide rights-of-ways. The lot layout preserves existing trees, which is a stated goal in the Southwood PUD.

PBS&J provided design services beginning in 2007, acquired all permits in 2007, and construction began in 2010.

**Project Owner's Contact Information**

James A. Perry  
Capital Region Community Development District  
475 West Town Place, Suite 114, World Golf Village, St. Augustine, FL 32092  
904.940.5850 ph.

**Project Completion Date**

Design and permitting completed December 2007. Construction began in 2010. Project is on hold due to market conditions, unknown completion date.

**Key Personnel Involved and Roles**

- Dannie Bracken, Senior Designer
- Chris Daniels and Mario Rivieccio, Plans Preparation
- Robert Farley, LEED AP, Landscape Architect
- Austin Carroll and Hal Fravel, Environmental

## ***Project 6: Southwood Unit 35 Infrastructure, Tallahassee, Florida***

### **Nature of Firm's Responsibility**

The Unit 35 Infrastructure project is located within Phase 2 of the Southwood Subdivision and contains infrastructure necessary to serve the lots created in the Unit 35 plat. The site is bounded on the north by an existing church, on the east by CCOC Phase II property and Capital Circle Southeast (CCSE), on the west by Lake Mary, English property and on the south by MUI-1. Unit 35 Infrastructure plans will consist of two lots left nearly natural for future development, construction of Merchants Row Boulevard from a temporary cul-de-sac 1,100 feet west of CCSE south to Tram Road; construction of four new stormwater ponds, TR121, TR208, TR209A, and TR105; and modification of existing TR209's pond bottom and control structure as well as filling an east-west ditch through the MDR-11 tract.

*Merchants Row Boulevard is proposed to be extended from the permitted temporary cul-de-sac about 1,100 feet west of CCSE south to Tram Road.*

Merchants Row Boulevard is proposed to be extended from the permitted temporary cul-de-sac about 1,100 feet west of CCSE south to Tram Road. The proposed roadway is a two-lane commercial roadway cross section with two 11-foot travel lanes, curb and gutter, and 5-foot bike lanes on each side. At the intersection of Merchants Row and Tram Road, the roadway will widen for one left-turn lane and one combined right-turn and through lane. The roadway will create a tee intersection, and a stop sign will be placed on Merchants Row Boulevard at the Tram Road intersection.

The stormwater mainline collection system is box culvert with storm pipe connections for the roadway inlets. Access manholes have been provided in key locations along the box culvert run to provide access for inspection and maintenance of the facility. A 12-inch ductile iron line is proposed to be extended along the east right-of-way of Merchants Row Boulevard in accordance with the City of Tallahassee utility concept plan for the Unit 35 preliminary plat and the Southwood masterplan for this area. The line will have appropriate valves and fire hydrants to meet City utility design standards.

Landscaping and irrigation plans were provided, which added street tree plantings. Visibility triangles were checked for landscaping at all roadway intersections. While a significant effort was made to preserve trees, visibility triangles limited density of planting on the roadways. PBS&J began design in 2009, all permits were acquired in 2010, and construction was completed in February 2011.

### **Project Owner's Contact Information**

James A. Perry  
Capital Region Community Development District  
475 West Town Place, Suite 114  
World Golf Village, St. Augustine, FL 32092  
904.940.5850 ph.

### **Project Completion Date**

February 2011

### **Key Personnel Involved and Roles**

- Dannie Bracken, Senior Designer
- Chris Daniels and Mario Rivieccio, Plans Preparation

- Robert Farley, LEED AP, Landscape Architect
- Austin Carroll and Hal Fravel, Environmental

### ***Project 7: Killearn Lakes Plaza Lot 2 Block A, Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

This project was the first retail development to be mixed in with residential in this part of Killearn Lakes. The development consists of a 25,920-sf building with a mix of office and retail uses, along with associated parking, walks, and utilities on a 1.34-acre site within a 17-acre commercial development known as Killearn Lakes Plaza. PBS&J submitted a Type "A" site plan, and an environmental management permit with Leon County.

PBS&J started work on design and permitting in May 2007, all permits were acquired in January 2008, and construction began in February 2008 and ended in February 2009. PBS&J also provided limited construction inspection services, and prepared a certified compliance report for our client, Twin Action Properties, Inc.

*The development consists of a 25,920-square-foot building with a mix of office and retail uses, along with associated parking, walks, and utilities on a 1.34-acre site within a 17-acre commercial development known as Killearn Lakes Plaza.*

#### **Project Owner's Contact Information**

Roger K. Hobbs, President and COO  
Twin Action Properties, Inc.  
2915 Kerry Forest Pkwy., Suite 101, Tallahassee, FL 32309  
850.422.0040 ph.

#### **Project Completion Date**

February 2009

#### **Key Personnel Involved and Roles**

- Mario Riveccio, Plans Preparation, Design, and Permitting Coordination
- Michael Scibelli, Project Manager and Engineer

### ***Project 8: Selena Road Design and Permitting of Proposed Improvements, Leon County, Florida***

#### **Nature of Firm's Responsibility**

PBS&J was selected to provide engineering services to Leon County for the design, development of construction plans, and permitting needed to construct roadway improvements for Selena Road. During periods of sustained and/or heavy rainfall, the Selena Road surface either floods or is nearly impassible, eliminating access to the surrounding residential area. The purpose of this project is to provide improvements that will provide a more reliable means of ingress and egress during severe wet weather conditions.

Services included survey, geotechnical analysis, roadway and drainage design, production of construction plans, and preparation of permit submittals for Leon County, Northwest Florida Water Management District, and Florida Department of Environmental Production.

**Project Owner's Contact Information**

Kim Wood, PE  
 Leon County Public Works Department  
 2280 Miccosukee Road, Tallahassee, FL 32308  
 850.606.1500 ph.

**Project Completion Date**

July 2011

**Key Personnel Involved and Roles**

- Mario Riveccio, Project Manager
- William K. Johnson, PE, PLS, CFM, Project Engineer
- Joe Banta, EIT, Engineer

***Project 9: Pier Park Site Planning/Design/Engineering Services, Panama City Beach, Florida***

*PBS&J provided site planning, site design, permitting, and construction administration for the primary development parcel of a new 1-million-square-foot mixed-use retail center on 266 acres at Pier Park in Panama City Beach.*

**Nature of Firm's Responsibility**

This project for Simon Property Group (SPG) involved site planning, site design, permitting, and construction administration for the primary development parcel (PDP) of a new 1-million-sf mixed-use retail center on 266 acres at Pier Park in Panama City Beach, Florida. Services included analysis, design, permitting, and construction plans for alterations to site infrastructure including site grading and secondary drainage conveyance, utilities service lines, internal driveways, parking and traffic circulation, and internal intersection improvements. Design fees and construction cost confidential by contract.

**Project Owner's Contact Information**

William Ranek PE, Engineering  
 Gary Obershaw, Construction Manager  
 Simon Property Group  
 225 West Washington Street, Indianapolis, IN 46204  
 317.685.7227 ph.

**Project Completion Date**

Professional Services: December 2009  
 Construction: June 2008

**Key Personnel Involved and Roles**

- Glenn C. Brown, Jr., PE, Civil Engineer-of-Record
- Mike Scibelli, PE, Client Service Manager
- Mario Riveccio, Technical Illustration and Plans Preparation
- Philip LeGrand, Construction Inspection and Administration

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## ***Project 10: Comfort Creek, Gadsden County, Florida***

### **Nature of Firm's Responsibility**

The Comfort Creek project consists of a residential subdivision conducted in three Phases on a ±471-acre site in Gadsden County. Phase 1 is a minor subdivision with six lots, closest to the entrance to the property and to Lake Talquin. Phase 2 will have 40 lots, and Phase 3 will consist of 48 lots, for a total of 94 lots on 471 acres. PBS&J prepared a due diligence report in 2006, and began design and permitting services in 2006. Phase 1 was approved in 2007 and was constructed in 2008. Although PBS&J completed most of the design for phases 2 and 3, the client has elected not to proceed with the remaining phases at this time.

The intent of the Comfort Creek design is to maximize integration of the development with surrounding natural amenities, while continuing to protect and preserve those natural features. Numerous recreational opportunities will be available to the residents of Comfort Creek.

*The intent of the Comfort Creek design is to maximize integration of the development with surrounding natural amenities, while continuing to protect and preserve those natural features.*

A system of walking trails will be integrated into the conservation areas and common areas/open spaces of Comfort Creek. The trail system will provide a pedestrian-oriented connection between the three Phases of Comfort Creek. The trail will wind through lots and open-space tracts in access easements. The design will allow trails to meander through the conservation/access and drainage/access easements, without impacting any wetlands. The Stormwater Plan designed for this site uses dry retention swales and ponds as a means of capturing and treating the runoff from the site before it is discharged into the adjacent wetlands.

### **Project Owner's Contact Information**

The Parvey Companies  
Brett Brantley (former Project Manager)  
329 North Broad Street, Thomasville, GA 31792-5118  
850.210.2708 ph.

### **Project Completion Date**

Phase 1 was completed January 2008  
Phases 2 and 3 are on hold due to market conditions, unknown completion date

### **Key Personnel Involved and Roles**

- Michael Scibelli, PE, Client and Project Manager
- Glenn Brown Jr., PE, Senior Engineer
- Mario Riviuccio, Plans Preparation
- Scott Zengel, Environmental Analysis and Gopher Tortoise Mitigation
- Larry Olney, Environmental Analysis, Wetlands Permitting



## Current Relevant Projects

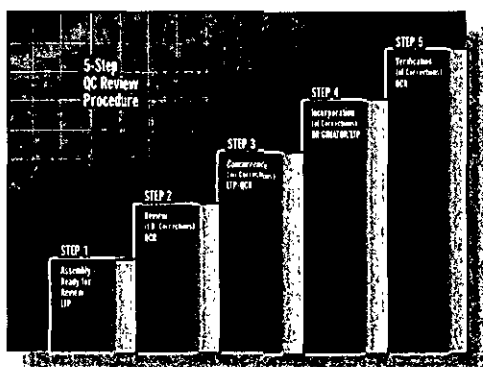
2. Provide names and descriptions of projects for which the firm is presently under contract that demonstrate capabilities and qualifications for this work category.

Please refer to the projects listed in Part B of this proposal, Experience with Projects of Similar Type and Size.

## Quality Assurance Process and Procedures

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.

To ensure product quality, PBS&J implements a "5-Step Quality Control" process for each project. This is a process whereby an equally qualified technical



professional that is not involved in the project provides a peer review of the deliverable work product. This helps eliminate errors and omissions and also helps to reduce construction costs by reducing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is our commitment to the concept of total quality management and a commitment by all employees to work to meet the needs of all clients. Additionally, we ask that our subconsultants also implement a peer review of their work. Your project director, Mr. Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated that this strategy works and we intend to continue this approach in the future. However, we are also receptive to new ideas, and we look forward to answering any questions you may have or suggestions you may offer to further improve this strategy to best serve your needs. We understand that there is always room to improve and we are open to your suggestions.

## Basic and Special Resources

5. 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.

PBS&J's network and associated equipment are strengths of our team and proposal. The PBS&J network provides nationwide connectivity via our dedicated virtual private network (VPN) connections to all of our offices, which offers our clients a pool of resources—regardless of location.

PBS&J employees and vendors are equipped with remote VPN access to allow for productivity beyond the confines of our traditional office hours and walls to support of any of our products. PBS&J uses innovative technology to secure the networked environment including firewalls, virus scanning, IP-based encryption, communication filtering for spam, and content filtering of illegitimate websites in an effort to maximize productivity and minimize the possibility of data loss.

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PBS&J is aware that accidents and disasters happen, and we maintain a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients. We employ companies, such as Iron Mountain and AT&T, as redundant data centers and for records and data retention. All levels of management are involved in the recovery process, and the recovery design is reviewed twice a year

PBS&J also operates and maintains complete hardware and software technology in support of our database and GIS solutions. These resources include AutoCAD Civil 3D, MicroStation, and a full array of ARC/INFO products and compatible hardware. Our staff includes ESRI-certified instructors, Avenue and Visual Basic programmers, hardware and network installation specialists, and analysts familiar with engineering problems and procedures.

PBS&J also provides web development and web hosting services to our clients, including development of basic websites, web-based database sites, map-based sites, and project-specific sites.

*PBS&J maintains a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients.*

PBS&J's team will not require facilities beyond our existing and continually updated systems and software products. A description of our system components follows.

Software Capabilities:

- Microsoft Office 2007
- AutoDesk AutoCAD and Civil 3D 2011
- Microstation 8 and VM (Geopak 2008)
- ERSI ArcView 9.3 and 10.0
- Seagate Crystal reports, version 5.
- Modeling software (SWMM, HEC, Cybernet, XP-SWMM, H2ONet version 3.0, WaterCad version 3.0, StormCAD version 3.0, InfoWater)
- Microsoft Internet Explorer 8
- Adobe Suite CS4
- Adobe Acrobat 7.0 Standard and Professional 8.0, 9.0, and 10.0



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.

# D

## Effect of Firm's Recent, Current and Projected Workload

*Subdivision and Site Development Engineering*

### **Current Projects and Completion Dates**

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

Projects were listed in Part B of this proposal, Experience With Projects of Similar Type and Size.

### **Ability to Absorb Leon County Projects**

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

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee office has more than 130 employees representing every service provided by PBS&J.*

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. PBS&J will be fully available and accessible to meet the needs of the County.



# E

## Effect of Project Team Location

*Subdivision and Site Development Engineering*

### **Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### **Community Involvement**

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



## Approach to the Project

*Subdivision and Site Development Engineering*

### **Approach to Accepting and Completing Projects**

*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.*

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

#### ***Step 1: Kickoff Meeting***

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

#### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

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### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.



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## ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

## ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

## ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

## ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

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Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

### ***Peer Review/Quality Assurance Plan***

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.





*Parks and Recreational Facility Engineering*

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Parks and Recreational Facility Engineering	5	7	55

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.*

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Parks and Recreational Facility Engineering															
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Master Planning	Landscape Design	Registered Landscape Architect	Registered Professional Engineer	Athletic fields	Parking Lots	Park Roads	Park Structures	Playground Equipment	Trails	Drainage, Utilities	Park Programming, CPTED
Michael A. Scibelli, PE	Client Service Manager/Engineering-Design	Tallahassee, FL	14 (14)				■	■	■	■				■	
Robert L. Farley, RLA, LEED AP	Project Manager/Landscape Architecture-Design	Tallahassee, FL	7 (27)		■	■								■	
Steven D. Whiteford	Master Planning & Design	Tallahassee, FL	18 (13)	■							■				
David W. Larsen, RLA	Master Planning & Design	Orlando, FL	27 (0)	■		■		■			■	■	■		■
Kristin L. Caborn, CPRP, FCP	Master Planning & Design-Programming, CPTED	Orlando, FL	4 (10)	■	■			■	■	■	■	■	■		■
Patricia H. Farley, ASLA	Landscape Architecture-Design	Tallahassee, FL	9 (0)		■				■	■	■	■			
Dannie S. Bracken	Engineering-Design	Tallahassee, FL	32 (7)					■	■	■				■	

## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter & Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### ***Diversified Design & Drafting Services, Inc. (3DS) – Survey***

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### **3DS Local Experience**

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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**  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050  
  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation



For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killlearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### **HSA Consulting Group, Inc. (HSA) –**



**HSA Consulting Group**

*HSA  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308*

*ph. 850.309.7510  
fax: 850.309.0246*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida*

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions.. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### **HSA Local Experience**

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killlearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### **Nodarse & Associates, Inc. (N&A) – Geotechnical**

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for

most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter > Mitchell*  
 117 South  
 Gadsden Street  
 Tallahassee,  
 Florida 32301  
 Ph. 850.681.3200  
 fax 850.681.7200

#### **Salter > Mitchell, Inc. – Public Relations**

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

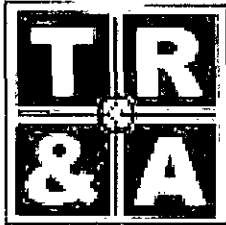
#### **Salter Mitchell Local Experience**

- Killlearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations

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### ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

#### **TR&A Local Experience**

- "M" Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

# Parks and Recreational Facility Engineering



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Robert L. Farley, RLA, LEED AP**  
Project Manager  
Tallahassee

## Master Planning and Design

**Steven D. Whiteford**  
Master Planning  
Tallahassee

**David W. Larsen, RLA**  
Master Planning, Design  
Orlando

**Kristin L. Caborn, CPRP, FCP**  
Programming, CPTED  
Orlando

## Landscape Architecture

**Patricia H. Farley, ASLA**  
Design  
Tallahassee

## Engineering

**Michael A. Scibelli, PE**  
Design  
Tallahassee

**Dannie S. Bracken**  
Design  
Tallahassee

# Michael A. Scibelli, PE

*Client Service Manager, Design*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall client service manager for all civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the primary client service manager for Leon County and he has served as the project manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for more than seven years and is committed to continuing to be Leon County's client service manager and a project manager to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA Big Bend chapter as Projects of the Year. One such project was the Killearn Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1,300 residents of Killearn Lakes Plantation Units 1 & 2. The neighborhood experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5-percent of the County's original budget estimate. During the entire project, only one tree was removed after more than 100,000 feet of sewer pipe was installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the city limits. This project was permitted and built and the final cost was approximately 20-percent below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association  
Water Environment Federation (WEF)  
Society of American Military Engineers (SAME)

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the last 10 years**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

#### **Recent Leon County Projects:**

##### **Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

##### **Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

##### **Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

##### **Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killearn Lakes Sidewalks Design, Permitting & Construction Administration.

##### **Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

##### **Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

##### **Utility Engineering**

- Project manager for Killearn Lakes Low Pressure Sewer Support.

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager and Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.



# Robert L. Farley, RLA, LEED AP

*Project Manager, Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida

Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager

U.S. Green Building Council (USGBC) LEED AP

ISA Certified Arborist

GRHC Accredited Green Roof Professional

FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects

Florida Native Plant Society

National Roadside Vegetation Management Association

Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

**Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Acre**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

**Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Acre**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

**Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Acre**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

**Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Acre**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Project Manager, Certified Arborist*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond:** 2005  
Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Acre**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Acre**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Acre**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Acre**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.

# Stephen D. Whiteford, APA

*Master Planning*

*Past Job Assignments: Lead Planner, Senior Designer*

*Years with PBS&J: 17*

*Years with other Firms: 13*



Mr. Whiteford has more than 30 years of experience in the design and implementation of various site planning and design projects. He served as senior planner/designer in several park master planning projects including regional and community parks. He also developed city-wide recreation master plans and multi-modal trail plans. Project budgets varied from multi-million dollar construction fees to \$50,000–\$250,000 planning fees. He has been responsible for project management involving facility planning, master planning, and site design. He has provided these services on projects involving museums, botanical gardens, regional parks, recreational facilities, and community trail systems. He has extensive experience in analyzing user programs and community requirements in developing master plan documents.

## Education

B.L.A., Landscape Architecture,  
SUNY at Syracuse University,  
B.S., Environmental Science,  
SUNY at Syracuse University,

## Professional Affiliations

American Planning Association  
(APA)

## Honors and Awards

Jupiter River Walk Lagoon Bridge  
– Project of the Year, FL  
APWA 2009  
Seventh Crossing Bridge, Dubai,  
UAE - First, Second and Third  
Place International Bridge  
Design Competition 2009  
Decatur MARTA Plaza – 8<sup>th</sup>  
Annual Golden Shoe Award  
2007  
Decatur MARTA Plaza – 1<sup>st</sup> Place  
in Hardscape Category,  
Georgia Chapter of the  
American Concrete Institute  
(ACI), 2007  
CampWater Color, FNPS, First  
Place 2006  
Camp WaterColor, ASLA FL C,  
Honor Award 2006  
I-10 Rest Areas, FNPS, Third Place  
2006  
WindMark Beach FNPS Award  
2005  
Windmark Beach, FNGLA Award  
of Excellence 2005  
WindMark Beach, FL ASLA, Merit  
Award 2005

Mr. Whiteford's project experience includes:

**Project Name: Lake Tholocco, Fort Rucker, Alabama**

**Type of Project: Recreation Master Plan**

**Size of Project: \$75,000 fee, 640-acre lake and recreational facility for the US Army.**

**Specific Project Involvement:** Senior planner in charge of developing a park master plan. The plan includes a RV park, marina, 11 miles of trails, lodge, playground, and picnic areas.

**Project Name: Florida State University Stadium, Tallahassee, Florida**

**Type of Project: Landscape Architecture**

**Size of Project \$35,000 fee, 83,000 seat stadium**

**Specific Project Involvement:** Developed landscape concepts for the Academic Center located at Doak Campbell Stadium.

**Project Name: Southwest Escambia County Sports Complex, Escambia County, Florida**

**Type of Project: Recreation Master Plan and Design**

**Size of Project \$882,000 fee, including Subconsultants, 215-acre sports park.**

**Specific Project Involvement:** Developed site plan concepts that include a destination playground, football stadium, soccer complex, baseball complex, maintenance yard, police substation, trails and picnic areas.

**Project Name: St. Marks River Corridor Study, Leon and Franklin Counties, Florida**

**Type of Project: Master Planning**

**Size of Project \$35,000 fee; 69,000-acre river corridor**

**Specific Project Involvement:** Senior planner responsible for extensive analysis of the corridor to develop land management recommendations, and identified development opportunities, conservation areas, and cultural resources. The main recommendation was to limit development along the river to maximize its regional recreational potential. Development will be located along existing transportation corridors on disturbed land.

Stephen D. Whiteford  
Master Planning

WaterColor Pond, FNPS  
Ecosystems Restoration 2<sup>nd</sup>  
Place 2005  
Route 321 Landscape  
Improvements, Tennessee  
DOT, Merit Award 2005  
Blueprint Brunswick, Brunswick,  
GA, GPA Outstanding  
Planning Project 2005  
Florida Botanical Garden, Florida  
Nurserymen & Growers  
Association, Award of  
Excellence 2003  
Pinewood Cultural Park Master  
Plan, FCASLA, Honor Award  
2003

**Project Name: FSU-Ringling Brothers Tibbals Learning Center**

**Type of Project: Master Planning**

**Size of Project \$25,000 fee,** The Master Plan included expansion of the museum exhibit, storage space, additional parking, improved pedestrian circulation, and maintenance area. In addition, a new visitor center with performance spaces was planned and included in the document.

**Specific Project Involvement:** PBS&J developed a State Land Management Plan for the FSU/John & Mable Ringling Museum property. The project included meetings with administrative staff, site inventory and program development for future facilities. The campus is listed on the National Registry of Historic Places, which required additional documentation. The Master Plan identified constraints to development, maintenance and security issues, new construction and future expansion capabilities.

**Project Name: Trail Master Plan, City of North Las Vegas, Nevada**

**Type of Project: Bike Master Plan**

**Size of Project \$80,000 fee**

**Specific Project Involvement:** Senior planner in charge of developing a citywide bicycle master plan that includes on-street and off-street systems connecting major public and private community facilities to the entire city and region.

**Project Name: WindMark Beach Club, Port St. Joe, Florida**

**Type of Project: Landscape Architecture**

**Size of Project \$75,000 fee,** The work included custom pool design, storage structures, boardwalks and trails, and community wide landscaping.

**Specific Project Involvement:** Senior designer responsible for the development of a private swimming pool complex for this resort community for St. Joe Towns and Resorts.

**Project Name: Camp WaterColor, WaterColor, Florida**

**Type of Project: Park Design**

**Size of Project \$75,000 fee, 499-acre coastal resort**

**Specific Project Involvement:** From conceptual designs developed by Nelson Byrd Landscape Architects, developed schematics design and construction documents for the recreational park facility located in a resort community. The project included a teaching lawn, outdoor theater, play fields, and landscape gardens.

# David W. Larsen, RLA

*Master Planning and Design*

*Past Job Assignments: Project Manager, Project Director*

*Years with PBS&J: 27*

*Years with other Firms: 0*



## Education

B.L.A., Landscape Architecture,  
University of Florida, 1984

## Registrations/Licenses

Registered Landscape Architect  
Florida, LA0001153, 1987

## Professional Affiliations

American Society of Landscape  
Architects (ASLA)  
National Complete Streets Coalition

## Honors and Awards

2009 Structures Project of the Year,  
American Public Works  
Association (APWA) Florida  
Chapter, Riverwalk Lagoon  
Bridge, Jupiter, Florida  
Award of Honor for Landscape  
Architecture Florida Nursery &  
Growers Association (FNGA),  
The Florida Botanical Gardens,  
Largo, Florida  
Award of Honor for Planning  
American Society of  
Landscape, Largo, Florida  
Award of Excellence for Landscape  
Architecture Florida Nursery &  
Growers Association (FNGA),  
Golf Brook Apartments at  
Sabal Point, Longwood,  
Florida  
Award of Excellence for Landscape  
Architecture Florida Nursery &  
Growers Association (FNGA),  
Sabal Park Apartments at Sabal  
Point, Longwood, Florida

Mr. Larsen has 27 years of experience in land planning and landscape architecture for a diverse range and scale of public and private projects. His professional responsibilities have included park and open-space planning, master planning, streetscapes, urban design, and waterfront development. Mr. Larsen's representative project experience includes the following:

**Project Name: West Bayfront Multi-Use Recreational Trail, Sarasota, Florida**

**Type of Project: Master Planning and Construction Documents**

**Size of Project (dollar amount and scope): \$500,000;** 5.5-mile, 10-foot-wide West Bayfront Multi-Use Recreational Trail (MURT) and beautification project

**Specific Project Involvement:** Project manager for the development of a conceptual plan and concept report. Services provided included participation in the public involvement phase of the project and development of landscape and hardscape concepts, cost estimates, concepts for grant applications, and maintenance specifications. Landscape improvements as well as other design features such as decorative lighting, trail signage, and textured concrete helped to create a sense of place and arrival to downtown Sarasota, St. Armands Circle, and the Lido beaches.

**Project Name: Mead Garden Master Planning, Winter Park, Florida**

**Type of Project: Master Planning**

**Size of Project (dollar amount and scope): \$100,000; 45 acres**

**Specific Project Involvement:** Project director for the development of this garden master plan for the historic Mead Garden located on 45 acres of pristine land in Winter Park. Project involvement included garden programming, master planning, public involvement, cost estimating, funding and implementation strategy development, historic research and documentation, environmental assessment, and design development of unique garden features.

**Project Name: Historic Nehrling Gardens Preservation Plan, Gotha, Florida**

**Type of Project: Master Planning**

**Size of Project (dollar amount and scope): NA**

**Specific Project Involvement:** As a community service effort, coordinated PBS&J landscape architects in the development of a botanical garden master plan in an effort to preserve this unique historical homesite of Henry Nehrling for future generations. The 6-acre site was the original homesite of Nehrling, renowned botanical horticulturist from the early 1900s. Developed plan in concert with the Henry Nehrling Society to garner community support and awareness of this unique central Florida garden treasure.

**Project Name: Leon County Landfill Park**

**Type of Project: Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 acres**

**Specific Project Involvement:** Project director for development of this landfill-to-park conversion master plan for the Leon County Landfill. Master planning efforts included alternative concept plan development, cost estimate and analysis, landfill closure engineering, public involvement, and task force coordination.

## David W. Larsen, RLA

*Master Planning and Design*

Award of Excellence for Landscape Architecture Florida Nursery & Growers Association (FNGA), Sabal Club Apartments at Sabal Point, Longwood, Florida

### Publications

Larsen, David W. and Judy Yates, Ed.D., "The Florida Botanical Gardens: From Vision to Reality," *Public Garden*, vol. 16, no. 2, Summer 2001.

### Presentations

Larsen, David W., "Three Visionary Trails," ProBike/ProWalk Florida 2007, August 28-30, 2007

Larsen, David W., "Past, Present, and Future Aesthetic Roadway and Bridge Design," American Society of Civil Engineers, March 21, 2006.

Larsen, David W., "Landscape Architecture: Context-Sensitive Design for Bike/Pedestrian Facilities," ProBike/ProWalk Florida 2005, April 8, 2005.

Larsen, David W., "Recreation, Conservation, and Open Space Reuse of Brownfields," Session 14—Blazing a Green Trail, Seventh Annual Statewide Pollution Prevention Conference, July 31, 2002.

**Project Name: Rodes Park, Brevard County, Florida**

**Type of Project: Master Planning and Construction Documents**

**Size of Project (dollar amount and scope): \$1,000,000, 128 acres**

**Specific Project Involvement:** Project manager for development of the site master plan, cost estimates, and construction documents for this 128-acre active recreation facility in Brevard County. Coordinated public involvement efforts through various community boards. PBS&J provided full landscape architectural services for the development of the park.

**Project Name: Wickham Park, Brevard County, Florida**

**Type of Project: Master Planning and Construction Documents**

**Size of Project (dollar amount and scope): \$75,000, 400 acres**

**Specific Project Involvement:** Project manager for development of the park master plan for this existing 400-acre park and development of park features such as the equestrian center, senior center, and internal park upgrades.

**Project Name: Jetta Point Park, Seminole County, Florida**

**Type of Project: Master Planning and Construction Documents**

**Size of Project (dollar amount and scope): \$850,000, 45 acres**

**Specific Project Involvement:** Project manager for master planning and construction documents for this active recreation park in the cities of Oviedo and Winter Springs, Florida. Activities include public involvement, master planning, construction documents, and landscape architecture.

**Project Name: Soldier's Creek Park, Seminole County, Florida**

**Type of Project: Master Planning**

**Size of Project (dollar amount and scope): \$20,000, 25 acres**

**Specific Project Involvement:** Project manager for the development of this active recreation sports complex. Developed master plan, order of magnitude costs, and coordinated public involvement.

**Project Name: Brevard Senior Center, Brevard County, Florida**

**Type of Project: Master Planning and Construction Documents**

**Size of Project (dollar amount and scope): approximately \$100,000, 10,500 square feet**

**Specific Project Involvement:** Project manager for the master plan and construction documents for this active adult recreation senior center.

**Project Name: The Florida Botanical Gardens and The Gulf Coast Museum of Art, Largo, Florida**

**Type of Project: Master Planning and Construction Documents**

**Size of Project (dollar amount and scope): \$2,000,000; 160 acres**

**Specific Project Involvement:** Master planning and detailed site development for this botanical garden. The gardens are adjacent to The Gulf Coast Museum of Art and other county facilities, and will serve as a conservation model and educational resource for Pinellas County.

# Kristin L. Caborn, CPRP, FCP

*Programming, CPTED*

*Past Job Assignments: Project Manager, Assistant Project Manager*

*Years with PBS&J: 5*

*Years with other Firms: 8*



## Education

B.S., Recreation (Honors),  
University of Florida, 1997

M.S., Recreational Studies,  
University of Florida, 2000

## Certifications

Certified Park and Recreation  
Professional (CPRP), FL03-  
032-05

Crime Prevention through  
Environmental Design  
(CPTED) Practitioner (FCP)

## Honorary Appointments

Florida Recreation and Parks  
Association (FRPA)  
Foundation Trustee

## Professional Affiliations

American Planning Association  
(APA), Florida Chapter

Florida Design Out Crime  
Association, a Crime  
Prevention Through  
Environmental Design  
(CPTED) Network

Florida Recreation and Park  
Association (FRPA)

National Recreation and Park  
Association (NRPA)

Women Inspiring Leadership (WIL)  
Urban Land Institute (ULI) Young  
Leader

Florida Crime Prevention Through  
Environmental Design  
(CPTED) Practitioner  
Certified Park and Recreation  
Professional (CPRP)

Ms. Caborn serves as a project manager with PBS&J's planning and landscape architecture division. She has 12 years of extensive parks and recreation management and planning experience involving managing several multimillion-dollar parks and recreation projects, and providing master plan implementation and phasing plans services for public sector clients. Ms. Caborn's PBS&J park planning and project management experience includes:

**Project Name: Parks and Recreation Continuing Services Contract, Osceola County, Florida**

**Type of Project: Continuing contract for planning, design and construction**

**Size of Project (dollar amount and scope): varied by project**

**Specific Project Involvement:** This continuing services contract with Osceola County involves professional planning, design, and other support services for the county's park and recreation department. These services include system master or sectional planning, site designs, landscape designs, architecture and engineering, environmental planning and engineering, permitting, natural resource management planning, and construction management or administration. Ms. Caborn is the project manager for this contract.

**Project Name: Ralph V. Chisholm Regional Park Renovations Master Plan, Osceola County, Florida**

**Type of Project: Park master planning**

**Size of Project (dollar amount and scope): \$27,000;** approximately 152 acres and is primarily a passive recreation park on East Lake Tohopekaliga.

**Specific Project Involvement:** Renovation plans will include trails, nature preserves, expanded boat ramps, and other related amenities. PBS&J provided master planning services that included Ms. Caborn served as the assistant project manager for this project.

**Project Name: MacOverstreet Regional Park, Osceola County, Florida**

**Type of Project: Park master planning**

**Size of Project (dollar amount and scope): \$35,000;** approximately 300 undeveloped acres.

**Specific Project Involvement:** Active amenities are expected to include sports complexes, water activities, community center, trails, and other related amenities. Public input was received through the Three R System module, used as an on-line survey that included a Spanish version. Ms. Caborn served as the assistant project manager for this project, overseeing the design and public input.

**Project Name: Walk-n-Sticks Park Master Plan, Osceola County, Florida**

**Type of Project: Park master planning, design, and construction**

**Size of Project (dollar amount and scope): \$100,000;** Osceola County purchased a nine-hole golf course located in Buenaventura Lakes in 2008 for the purposes of stormwater improvements.

**Specific Project Involvement:** Upon completion of the improvements, the remaining land will be dedicated for a passive public park. PBS&J provided master planning services that included: two conceptual plans, a final master plan, two public meetings and a cost estimate. The park is envisioned to be an "extension of your backyard" for the neighbors who live adjacent to the property, yet serve all the residents in this densely populated area of the county. The park will take advantage of the existing topography remaining from the golf

## Presentations

- Caborn, Kristin L., "Contract Management: A View From Both Sides," Florida Recreation and Parks Association Administrator's Workshop, Winter Park, FL, January 2008.
- Caborn, Kristin L., "CPTED and Park Planning," Florida Recreation and Parks Association 2007 Annual Conference, Orlando, FL, August 2007.
- Caborn, Kristin L., "Parks and Recreation: Join the Green Movement," Florida Recreation and Parks Association 2007 Annual Conference, Orlando, FL, August 2007.
- Caborn, Kristin L., "Future of CPTED," Panelist at the Florida CPTED Network, Quarterly Meeting, Altamonte Springs, FL, December 2006.
- Caborn, Kristin L., "CPTED and Local Government," Instructor at the Florida Crime Prevention Training Institute, Florida Crime Prevention Practitioner Update/Technology Today, Altamonte Springs, FL, November 2006 (ongoing).
- Caborn, Kristin L., "The Three R System: The Building Blocks of Recreational Planning," Florida Recreation and Parks Association 2006 Annual Conference, Orlando, FL, August 2006.

course by having an extensive trail system that meanders throughout the site and along the existing water bodies. Other site amenities will include a playground, community garden, picnic areas and shade pavilions, an exercise course, Frisbee golf course, fishing dock and open space. Ms. Caborn was the project manager for this project.

### **Project Name: Continuing Parks Engineering, Design and Planning Services, Polk County, Florida**

**Type of Project: Continuing services for park master planning, design, construction**

**Size of Project (dollar amount and scope): varies by project**

**Specific Project Involvement:** This master consulting agreement with Polk County involves park engineering, design, and planning services. As-needed services provided included conceptual studies, management plans, feasibility studies, preliminary assessments, cost estimates and analyses, park and facility design (design and engineering services), site survey work, and project/construction administration assistance. Ms. Caborn is the project manager.

### **Project Name: Jan Phyl Park Master Plan and Construction Documents, Polk County, Florida**

**Type of Project: Park master plan and design**

**Size of Project (dollar amount and scope): \$475,000**, renovations to an approximately 20-acre community park that includes softball fields, basketball, racquetball, tennis, picnic area, open space, and trails.

**Specific Project Involvement:** These two tasks for Jan Phyl Park Master Plan and Construction Documents include Ms. Caborn as project manager.

### **Project Name: Daughtery Park Master Plan and Construction Documents, Polk County, Florida**

**Type of Project: Park master planning and design**

**Size of Project (dollar amount and scope): \$500,000;** PBS&J was selected by Polk County Leisure Services to develop a master plan, conceptual and final design of the new 27-acre West Daughtery Road park project north of Lakeland.

**Specific Project Involvement:** Master planning services consisted of preparation of an opportunities and issues analysis, conceptual and consensus plans, presentations at public meetings to solicit input from the community, and cost estimates. The final master plan included soccer fields to relieve Hunt Fountain Park; pedestrian circulation including walking paths; site lighting including "green" sports lighting; secondary entrance to service a passive park area; picnic/passive area, open space, and playground; and parking. Preliminary and final design services. Ms. Caborn is project manager.

### **Project Name: Loyce Harpe Park Senior Ballfield Complex, Polk County, Florida**

**Type of Project: Park design**

**Size of Project (dollar amount and scope): \$250,000;** approximately 535-acre regional park owned by Polk County. PBS&J is providing design and environmental permitting for a senior league baseball complex on about 20 acres of reclaimed phosphate mine land, which will consist of three 325-football fields, concession building, pavilions, pedestrian circulation, and parking areas.

**Specific Project Involvement:** The park currently includes four softball, eight Little League baseball, and six soccer fields. Amenities include mountain biking trails, fishing, and dog park. Ms. Caborn is project manager.



# Patricia H. Farley

*Landscape Design*

*Past Job Assignments: Landscape Designer, Lead Designer, Project Manager*

*Years with PBS&J: 9*

*Years with other Firms: 0*



## Education

M.S., Landscape Architecture,  
University of Georgia, 2001

B.S., Landscape Design &  
Management, Florida A&M  
University, 1998

## Professional Affiliations

Alliance for Historic Landscape  
Preservation (AHLP)

American Society of Landscape  
Architects (ASLA)

Southern Garden History Society  
(SGHS)

Florida Native Plant Society  
(FNPS)

Women Inspiring Leadership (WIL)

Ms. Farley is a senior landscape architect with PBS&J's planning and landscape architecture division. Her background includes project management, site planning, landscape design, cost estimating, production of construction documents, and construction administration. She has a strong working knowledge of native plant material and planting design.

Ms. Farley's project experience includes:

**Project Name: Apalachee Regional Park, Tallahassee, Florida**

**Type of Project: Recreation Master Planning**

**Size of Project: \$94,240 Design Fee (560 acres)**

**Specific Project Involvement:** Landscape designer; prepared presentation graphics, developed and presented concepts for landfill-to-park conversion master plan for the Leon County Landfill. Efforts included development of three concepts that include a full range of regional park activities; cost estimate and analysis; public involvement; and task force coordination.

**Project Name: Westcott Lakes at Southwood, Tallahassee, Florida**

**Type of Project: Alumni Retirement Village**

**Size of Project: \$125,000 (17 acres)**

**Specific Project Involvement:** Landscape designer; prepared landscape and hardscape plans that include a fountain, garden and seating areas, and a gazebo.

**Project Name: Blueprint 2000, SR 261 (Capital Circle), Tallahassee, Florida**

**Type of Project: Roadway Landscape Design**

**Size of Project: \$145,000 Design Fee (3-mile Roadway)**

**Specific Project Involvement:** Project manager/lead designer for this 3-mile roadway widening project, including coordination with City, County, and all stakeholder agencies. Project included major intersections, stormwater ponds, mitigation areas, sidewalk and a public park with amenities.

**Project Name: Florida State University, Tallahassee, Florida**

**Type of Project: Institutional Landscape Design**

**Size of Project: Various Projects**

**Specific Project Involvement:** Project manager/lead designer; developed landscape concepts, produced construction documents, cost estimates, and performed construction administration for numerous projects at FSU, including the Conference Center, Parking Garage # 4 and #5, Academic Center Parking, and Baseball Stadium Entry Plaza.

**Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Educational Park**

**Size of Project \$50,000 Design Fee (4 acres)**

**Specific Project Involvement:** Assisted with design of park that includes wetland, mesic forest, and sand dune ecosystems for education and recreation at county library. Park also includes boardwalks, maze, amphitheater, and interactive sculpture area. Role included native plant design, construction document production, and cost estimating.

**Project Name: Camp WaterColor, WaterColor, Florida**

**Type of Project: Recreation Park**

**Size of Project: \$75,000 Design Fee (7 acres)**

**Specific Project Involvement:** Landscape designer; assisted with development of schematics design and construction documents for the recreational park facility located in this resort community. Project included a teaching lawn, outdoor theater, play fields, pool, spray pool, and landscaped gardens.

**Project Name: SW Escambia County Sports Complex, Pensacola, Florida**

**Type of Project: Multi-use City Park**

**Size of Project: \$882,000, including Subconsultants (215 acres)**

**Specific Project Involvement:** Landscape designer; prepared site analysis, design development, concepts. The site includes baseball, softball, and soccer fields, playground, and trail with boardwalks over wetland areas.

**Project Name: WaterColor Phase II, WaterColor, Florida**

**Type of Project: Low Impact Design**

**Size of Project \$150,000 Design Fee (499 acre coastal resort)**

**Specific Project Involvement:** Landscape designer; assisted with development of design concepts and produced construction drawings and cost estimates for Phase II landscape. The project included stormwater ponds, a Publix, an entry drive, and several parks.

**Project Name: WindMark, Gulf County, Florida**

**Type of Project: Single Family Residential Landscape Design**

**Size of Project: \$75,000 Design Fee (2,000-acre single family residential community)**

**Specific Project Involvement:** Landscape designer; worked with senior planner on design using plant material native for that particular site. Prepared construction drawings and cost estimates, including planting plans and details for boardwalks, mail center, custom fencing, and pool area.

**Project Name: Pier Park, City Park, Panama City Beach, Florida**

**Type of Project: Urban Park**

**Size of Project \$150,000 (48-acre park)**

**Specific Project Involvement:** Landscape designer; prepared design development and landscape construction documents for the first phase of this project. Prepared cost estimates, site furnishings schedules, and details for the grand promenade, native ramble, amphitheater, boardwalks, pavilion space, and a concept plan for five soccer fields.

**Project Name: University of Florida, Kathryn Chicone Ustler Hall, Center for Women's Studies and Gender Research, Gainesville, Florida**

**Type of Project: Institutional Landscape Design**

**Size of Project: \$85,000 (13,840 gross square feet)**

**Specific Project Involvement:** Landscape designer; assisted with planting design of this garden space that includes the use of plants that provide structure, form, and color yet require minimal irrigation and maintenance. Prepared planting plan construction documents and cost estimate.

# Dannie S. Bracken

*Special Projects Manager*

*Past Job Assignments: Sr. Designer, Documents Coordinator, Special Projects Manager*

*Years with PBS&J: 32 Years*

*Years with other Firms: 7 Years*



## Education

A.A., Civil Engineering,  
Tallahassee Community  
College, 1986

Mr. Bracken is special projects manager for PBS&J's north Florida civil engineering services division. He has 37 years of extensive experience in providing road, utility, and grading design for various projects, including the design of water systems, sanitary sewage, drainage, roadways, and subdivisions.

He has assisted PBS&J project engineers with the development of shopping centers, large multi-unit subdivisions and office complexes, and government and university buildings. He is currently responsible for data collection, obtaining geotechnical and surveying services, coordinating between engineering and production staff at PBS&J, coordinating with review agencies in the preparation of contract documents, as well as awarding and administering construction contracts.

Mr. Bracken's project experience includes:

**Project Name: FSU Intramural Fields, Tallahassee, Florida**

**Type of Project:** Athletic fields

**Size of Project (dollar amount and scope):** Design fee of \$85,000 to provide construction documents and permitting; Construction of 12 intramural fields, two tournament fields and five softball fields on 80 acres

**Specific Project Involvement:** Mr. Bracken was project manager in charge of producing construction plans, specifications and submitting permit applications. He also provided design for site grading, stormwater collection and management facilities, utilities, field layouts, and construction administration.

**Project Name: Miccosukee Community Park**

**Type of Project:** Athletic fields

**Size of Project (dollar amount and scope):** Design fee of \$46,000 to provide construction documents and permitting; expansion of the existing softball field to include a regulation soccer field.

**Specific Project Involvement:** Mr. Bracken is project manager in charge of producing construction plans, specifications and submitting permit applications. He also provided the design for site grading, stormwater collection, field layouts, and construction administration.

# B

## Experience with Projects of a Similar Type and Size

Parks and Recreational Facility Engineering

### Relevant Project Experience

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 role of each

Alternative concepts were developed for Apalachee Regional Park that respect the environment by removing invasive plants, using native plants to provide diversity for the ecosystem and wildlife, and reducing water pollution.

#### **Project 1: Apalachee Regional Park, Leon County, Florida**

##### **Nature of Firm's Responsibility**

PBS&J provided planning, design, and landscape architecture services for the conversion of the Leon County Solid Waste Facility into a 560± acre regional park complex. The site includes brownfields, available inactive cells, and currently active cells to be incorporated into later phases.

Alternative concepts were prepared based on meetings with Leon County Parks and Recreation officials and the Project Advisory Committee. These concepts respect the environment by removing invasive plants, using native plants to provide diversity for the ecosystem and wildlife, and reducing water pollution. An education center with amphitheater and rental facilities for public use are included and will incorporate Leadership in Energy and Environmental Design (LEED) principles where possible. A multiuse trail system, boardwalks, wildlife viewing areas, baseball, softball, soccer, tennis, basketball, playgrounds, remote-controlled aeronautics, and soap box derby will all be included in the master plan. Canoe access will provide a connection to existing paddle trails and adjoining regional parks and greenways.

##### **Project Owner's Contact Information**

J. Pat Plocek  
Director of Parks & Recreation  
Leon County Division of Parks and Recreation  
2280 Miccosukee Road  
Tallahassee, FL 32308  
850.606.1470

##### **Project Completion Date**

October 2009

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**Key Personnel Involved and Roles**

Robert Farley, RLA, LEED AP  
Patricia H. Farley, ASLA  
David W. Larsen, RLA  
Stephen Whiteford

***Project 2: Jetta Point Recreational Park, Seminole County, Florida*****Nature of Firm's Responsibility**

PBS&J prepared the master plan and construction documents for Jetta Point Park to maximize the preservation of natural areas, while providing multipurpose recreation facilities that can function simultaneously without conflict. Recreation facilities include soccer and youth softball fields, playgrounds, and equestrian staging. The plan locates parking areas along SR 417 to create a buffer for the park, while maintaining green/park space adjacent to existing residential areas.

**Project Owner's Contact Information**

Julia Thompson  
Seminole County  
845 Lake Markham Road, Sanford, Florida 32771  
p: 407.922.0082

**Project Completion Date**

October 2010

**Key Personnel Involved and Roles**

David W. Larsen, RLA

***Project 3: Providence East Skate Park, Hillsborough County, Florida*****Nature of Firm's Responsibility**

Hillsborough County retained PBS&J to produce design criteria packages directing the development of two skate park facilities, at a minimum of 10,000 sf each, within the County. Members of the multi-disciplinary design team visited the proposed sites to document the existing conditions. They collaborated with several co-workers known for their participation in skateboarding to analyze other skate park facilities and review related technical specifications. These discussions directed the composition of both the site work aspects and skate park-specific sections of the document. Additionally, PBS&J developed conceptual design plans for both sites, including a preliminary site plan for the Providence Road location. The final documents established the framework for the design and construction of facilities, providing a variety of challenging skate experiences for users of all skill levels in a functional and aesthetically pleasing environment that met the client's approved budget and schedule.

**Project Owner's Contact Information**

Mark Thornton, Director  
 Hillsborough County Parks, Recreation and Conservation Department  
 10119 Windhorst Road, Tampa, Florida 33619  
 813.635.3500

**Project Completion Date**

Ongoing (Estimated completion date: July 2011)

**Key Personnel Involved and Roles**

Kristin Caborn, CPRP, FCP, Project Manager

***Project 4: Southwest Escambia County Sports Complex Park Planning and Design Services, Pensacola, Florida*****Nature of Firm's Responsibility**

PBS&J was selected by Escambia County to provide park planning and design services for a new county sports complex to be located on 217 acres on the southwest side of the county. Park amenities are planned to include youth athletic fields (baseball, softball, soccer, and football), playground units, parking/access, site lighting, stormwater management system, nature trail, and associated athletic buildings including prototypical concession/restroom and meeting/storage buildings. During the planning phase, PBS&J prepared two alternative conceptual plans, developed one consensus conceptual master plan for the sports complex, and conducted two public meetings to solicit community input on the conceptual plans. PBS&J engaged the Perdida Bay Youth Sports Association (PBYSA) during the planning and design process and coordinated with Escambia County and utility companies to identify any potential concerns and future upgrades planned at or near the project site. Meetings were held with the Northwest Florida Water Management District and Florida Department of Environmental Protection to ensure the proposed design met all environmental resource permitting regulations.

**Project Owner's Contact Information**

Joy Jones, Division Manager  
 Escambia County  
 1651 E. Nine Mile Road, Pensacola, FL 32514  
 p: 850.475.5220

**Project Completion Date**

Ongoing (Estimated completion date: February 2012)

**Key Personnel Involved and Roles**

Kristin Caborn, CPRP, FCP, Park Planning and Public Input  
 Sean Doherty  
 Patricia H. Farley, ASLA  
 Christopher Hack  
 Craig Hedman, Ph.D.  
 Frank Keel  
 David W. Larsen, RLA  
 Lawrence Olney  
 Stephen Whiteford

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### ***Project 5: Freedom Park Landscape Architecture and Civil Design, Las Vegas, Nevada***

#### **Nature of Firm's Responsibility**

Freedom Park is the City of Las Vegas' latest park revitalization project. PBS&J provided landscape architecture and civil design services for the 62-acre design-build park, which has two artificial turf soccer fields, a skate park, tot lots, disc golf course, shaded picnic areas, fitness trail, and Little League ballfields.

Freedom Park contains the only Big League Dreams facility in Nevada, which is composed of six Little League and softball-suitable ballfields that are replicas of famous major league baseball stadiums including Yankee Stadium, Fenway Park, Wrigley Field, and Dodger Stadium.

#### **Project Owner's Contact Information**

Chris Larsen, Principal, Dekker/Perich/Sabatini Architects  
6860 Bermuda Drive, Las Vegas, NV 89119  
702.436.1006

#### **Project Completion Date**

December 2010

#### **Key Personnel Involved and Roles**

David L. Conrad  
Patricia H. Farley, ASLA  
David W. Larsen, RLA  
Stephen Whiteford, Planner

### ***Project 6: Off-Highway Vehicle Park Conceptual Planning, Design, and Permitting, Polk County, Florida***

#### **Nature of Firm's Responsibility**

This project for Polk County includes the design of a 500-acre off-highway vehicle (OHV) park in Polk County. Services included preparation of an opportunities and issues exhibit; development of conceptual plans, and preliminary and final design; permitting; and presentations to the Polk County OHV advisory committee and board of county commissioners. Final design plans consisted of landscape architecture; hardscape; civil and site engineering; roadway typical sections; water, fire and wastewater systems; stormwater management system; and mechanical engineering for a 500-gallon above-ground fuel tank for gasoline or diesel.

#### **Project Owner's Contact Information**

Bob Wiedrich  
Polk County Parks and Natural Resources  
515 East Boulevard Street, Bartow, Florida 33830  
863.534.4340

#### **Project Completion Date**

August 2011

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**Key Personnel Involved and Roles**

Kristin Caborn, CPRP, FCP, Project Manager

***Project 7: Loyce Harpe Senior Ballfield Complex Construction Documents, Polk County, Florida*****Nature of Firm's Responsibility**

Loyce E. Harpe Park, formerly known as Carter Road Park, is an approximately 535 acre regional park owned by Polk County and located in the City of Mulberry, Florida. The park currently includes four softball fields, eight Little League baseball fields, and six soccer fields. Additional amenities include mountain biking trails, fishing, and a dog park. PBS&J provided design and environmental permitting services for an additional senior league baseball complex located on about 20 acres of reclaimed phosphate mine land. The complex consists of three new 325-foot senior league baseball fields, a new concession building, pavilions, pedestrian circulation, and parking areas.

**Project Owner's Contact Information**

Bob Wiedrich  
Polk County Parks and Natural Resources  
515 East Boulevard Street, Bartow, Florida 33830  
p: 863.534.4340

**Project Completion Date**

February 2011

**Key Personnel Involved and Roles**

Kristin Caborn, CPRP, FCP, Project Manager  
Robert Farley, RLA, LEED AP

***Project 8: Judge Arthur I. Snyder Tennis Center, North Miami Beach, Florida*****Nature of Firm's Responsibility**

The main goal for redevelopment of the Snyder Tennis Center was to increase public visibility, improve spatial organization of the tennis center complex and enhance the overall public park experience. The master plan called for a new two-story, 7,500-square-foot clubhouse/retail building set closer to Dixie Highway for heightened curb appeal and exposure. The clubhouse will include a pro shop, café, retail space, locker facilities, office area, and outdoor dining/terraces. Layout of the tennis courts created a strong connectivity with all courts and the clubhouse. Twelve resurfaced clay courts and seven new hardcourts complete the core of the tennis center complex. The two tournament courts, one for each surface type, are placed at prominent locations near the clubhouse and at the intersection of two main pedestrian circulation spines. Spectator viewing is provided by covered stadium seating for both courts and an arbor-covered terrace adjacent to the clubhouse. An expanded parking lot, two racquetball courts with a tennis hitting wall, playground, sand volleyball court, shade pavilions, walking paths through the mature canopy of the Daniel D. Diefenbach Bicentennial Park, and a large open lawn area to accommodate outdoor events in conjunction with tournaments and/or the adjacent historic Spanish Monastery complete the master plan.



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PBS&J provided full master planning services, architectural design services for the clubhouse, landscape architecture, civil engineering, and ecological science services for site development. Cost estimating was also provided to support the City's effort with regard to budgetary and funding issues.

**Project Owner's Contact Information**

Hiep Huynn, PE  
City Engineer  
City of North Miami Beach  
17050 NE 19th Avenue  
North Miami Beach, FL 33162  
305.948.2980

**Project Completion Date**

Ongoing (Estimated completion date: Summer 2011)

**Key Personnel Involved and Roles**

Kristin Caborn, CPRP, FCP, Project Manager

***Project 9: Civic Center Renovation Planning and Design Services,  
City of St. Cloud, Florida*****Nature of Firm's Responsibility**

This project for the city of St. Cloud involved schematic design and preliminary cost estimating services related to the renovation of the city's Civic Center/Aquatic Center. These services consisted of the preparation of schematics for renovations to the existing community center including two gymnasiums, meeting space, pool, and administrative offices as well as proposed new facilities including a two-story multi-purpose building, an entrance atrium, food court, outdoor pool deck, and picnic shade pavilion. Deliverables include a narrative consisting of a description of the building systems, an opinion of probable construction cost, site plans and floor plans, building sections, elevations, and perspectives.

**Project Owner's Contact Information**

Jenna LaFleur, CPRP  
*(former St. Cloud recreation superintendent)*  
City of Oakland Park  
3650 N.E. 12th Avenue, Oakland Park, FL 33334  
954.630.4510

**Project Completion Date**

December 2007

**Key Personnel Involved and Roles**

Kristin Caborn, CPRP, FCP, Project Manager

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### ***Project 10: Daughtery Park Master Plan and Construction Documents, Polk County, Florida***

PBS&J was selected by Polk County to develop a master plan, conceptual, and final design of the new 27-acre West Daughtery Road park project located north of Lakeland. Master planning services consisted of the preparation of an opportunities and issues analysis, development of conceptual and consensus plans, presentations at public meetings to solicit input from the community, and cost estimates. The final master plan included soccer fields to relieve Hunt Fountain Park; pedestrian circulation including walking paths; site lighting including "green" sports lighting; a secondary entrance to service a passive park area; a picnic/passive area, open space, and playground; and parking. Preliminary and final design services will include the preparation of construction documents.

#### **Project Owner's Contact Information**

Bob Wiedrich  
Polk County Parks and Natural Resources  
515 East Boulevard Street, Bartow, Florida 33830  
p: 863.534.4340

#### **Project Completion Date**

February 2011

#### **Key Personnel Involved and Roles**

Daniel Beaty (Transportation Planner)  
Wiatt Bowers (Transportation Planner)  
Dannie Bracken  
William K. Johnson (Civil Engineer)  
Frank Keel  
Mario Rivieccio (CAD Designer/Technician)  
Norman F. Robertson (Contract Administrator)  
Michael A. Scibelli, PE  
Stephen Whiteford (Planner)

### ***Current Relevant Projects***

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

PBS&J has extensive experience similar in size and scope the advertised projects. Specific experiences includes that represented on the chart that directly follows.

Project Name	Description	Applicable Project Components									
		Master Planning	County Parks	Landscape Design	Athletic Fields	Parking Lots	Park Roads	Park Structures	Playground Equipment	Trails	Drainage
<b>Snyder Tennis Center</b> Miami Beach, Florida	Park planning and design for development of a new tennis center and multi-purpose building	■		■		■	■	■	■	■	■
<b>Walk-n-Sticks Park</b> Kissimmee, Florida	Master plan and landscape architecture for a new parking lot, playground, war memorial, pedestrian paths, and a new pavilion	■	■	■		■		■	■	■	■
<b>Loyce Harpe Park</b> Orlando, Florida	Park design for a new senior league baseball complex		■	■	■	■	■	■		■	■
<b>S.W. Escambia Park</b> Escambia County, Florida	Park planning and design for a new county sports complex	■	■	■	■	■	■	■	■	■	■
<b>Daughtery Park</b> Polk County, Florida	Master planning, conceptual and final design a new, 27-acre park.	■	■	■	■	■	■	■	■	■	■
<b>Poinciana Park</b> Polk County, Florida	Conceptual park planning for a 29-acre site. Improvements will include athletic fields, concession buildings, parking, and playground.	■	■	■	■	■	■	■	■	■	■
<b>Mishcon Park</b> North Miami Beach, FL	Landscape architecture, including decorative perimeter fencing	■		■				■			

### Quality Assurance Process and Procedures

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.

To ensure product quality, PBS&J implements a "5-Step Quality Control" process for each project, whereby an equally qualified technical professional who is not involved in the project provides a peer review of the deliverable work product. This helps eliminate errors and omissions and also helps to reduce construction costs by reducing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is our commitment to the concept of total quality management and a commitment by all employees to work to meet the needs of all clients. Additionally, we ask that our subconsultants also implement a peer review of their work. Your project director, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated that this strategy works and we intend to continue this approach in the future. However, we are also receptive to new ideas, and we look forward to answering any questions you may have or suggestions you may offer to further improve this strategy to best serve your needs. We understand that there is always room to improve and we are open to your suggestions.

## Basic and Special Resources

5. 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.

### ***Crime Prevention through Environmental Design (CPTED)***

CPTED is a unique way to synthesize good planning and design standards with crime prevention programs in a community. Utilizing a comprehensive approach, PBS&J's certified CPTED practitioner can evaluate park and trail designs and make recommendations on their compliance with accepted CPTED strategies such as natural surveillance, territorial reinforcement, and natural access control. Safety and security in parks and along internal trail systems can be a critical concern for citizens using the facilities so the CPTED evaluation during the planning and design process is important to evaluate the proposed design relative to key CPTED design approaches. We will work alongside your Police Department Crime Prevention Unit to ensure we understand the specific safety concerns at any site, and implement CPTED strategies into the design to help prevent safety issues in the future. Among the numerous benefits to parks and trails, CPTED can help increase patronage, reduce maintenance costs, and give the community greater satisfaction and safety, ultimately creating better places to live, work, and play.

### ***Other Resources***

PBS&J's network and associated equipment are strengths of our team and proposal. The PBS&J network provides nationwide connectivity via our dedicated virtual private network (VPN) connections to all of our offices, which offers our clients a pool of resources—regardless of location.

PBS&J employees and vendors are equipped with remote VPN access to allow for productivity beyond the confines of our traditional office hours and walls to support of any of our products. PBS&J uses innovative technology to secure the networked environment including firewalls, virus scanning, IP-based encryption, communication filtering for spam, and content filtering of illegitimate websites in an effort to maximize productivity and minimize the possibility of data loss.

PBS&J is aware that accidents and disasters happen, and we maintain a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients. We employ companies, such as Iron Mountain and AT&T, as redundant data centers and for records and data retention. All levels of management are involved in the recovery process, and the recovery design is reviewed twice a year.

PBS&J also operates and maintains complete hardware and software technology in support of our database and GIS solutions. These resources include AutoCAD Civil 3D, MicroStation, and a full array of ARC/INFO products and compatible hardware. Our staff includes ESRI-certified instructors, Avenue and Visual Basic programmers, hardware and network installation specialists, and analysts familiar with engineering problems and procedures.

PBS&J also provides web development and web hosting services to our clients, including development of basic websites, web-based database sites, map-based sites, and project-specific sites.

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PBS&J's team will not require facilities beyond our existing and continually updated systems and software products. A description of our system components follows.

Software Capabilities:

- Microsoft Office 2007
- AutoDesk AutoCAD and Civil 3D 2011
- Microstation 8 and VM (Geopak 2008)
- ERSI ArcView 9.3 and 10.0
- Seagate Crystal reports, version 5.
- Modeling software (SWMM, HEC, Cybernet, XP-SWMM, H20Net version 3.0, WaterCad version 3.0, StormCAD version 3.0, InfoWater)
- Microsoft Internet Explorer 8
- Adobe Suite CS4
- Adobe Acrobat 7.0 Standard and Professional 8.0, 9.0, and 10.0
- Microsoft Project
- Primavera Project Planner
- AutoDesk REVIT and Bentley BIM

Equipment and Facilities

PBS&J operates and maintains complete hardware and software technology in support of our database and geographic information systems (GIS) solutions. These resources include a full array of ARC/INFO products and compatible hardware. PBS&J's equipment and facilities available for use during the City of Jacksonville's projects are highlighted as follows.

PBS&J uses innovative technology to secure the network (firewalls, virus scanning, IP-based encryption, communications filtering for spam, and content filtering of illegitimate Web sites) in an effort to maximize productivity and minimize the possibility of data loss.



## Willingness to Meet Schedule and Budget Requirements

### Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.

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## Effect of Firm's Recent, Current and Projected Workload

### Parks and Recreational Facility Engineering

#### Current Projects and Completion Dates

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

Projects Currently Under Contract		
Project Name	Description	Anticipated Completion Date
<b>Snyder Tennis Center</b> Miami Beach, Florida	Landscape architecture for the development of a new tennis center and cafe	2012
<b>Walk-n-Sticks Park</b> Kissimmee, Florida	Master plan and landscape architecture for a new parking lot, playground, war memorial, pedestrian paths, and a new pavilion	2011 (August)
<b>Loyce Harpe Park</b> Orlando, Florida	535-acre regional park inclusive of 4 softball fields, 8 little league fields, and 6 soccer fields	2011 (April)
<b>S.W. Escambia Park</b> Escambia County, Florida	Park planning and design for anew county sports complex	2012
<b>Daughtery Park</b> Polk County, Florida	Master planning, conceptual and final design a new, 27-acre park.	2011 (April)
<b>Poinciana Park</b> Polk County, Florida	Conceptual park planning for a 29-acre site. Improvements will include athletic fields, concession buildings, parking, and playground.	2011 (May)
<b>Mishcom Park</b> North Miami Beach, FL	Landscape architecture, including decorative perimeter fencing	2012

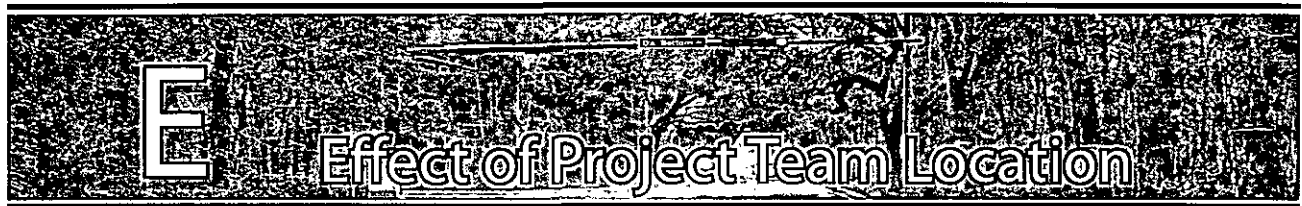
#### Ability to Absorb Leon County Projects

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

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. **PBS&J will be fully available and accessible to meet the needs of the County.**





*Parks and Recreational Facility Engineering*

**Team Location and Community Involvement**

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

**Community Involvement**

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



## *Parks and Recreational Facility Engineering*

### **Approach to Accepting and Completing Projects**

*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.*

#### ***Parks and Recreational Facility Engineering Approach Details***

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

#### ***Step 1: Kickoff Meeting***

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

#### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

*By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.*

#### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

#### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.

## ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

*Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director.*

### ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

### ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

### ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### **Cost Control**

*The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs.*

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

### **Peer Review/Quality Assurance Plan**

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.



Utility Engineering

**Number of Professionals and Availability**

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.

Total Number of Professionals that may be assigned			
Category	Tallahassee Office Resources	# of Key Staff	# of Staff Resources Available
Utility Engineering	5	8	266

While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida.

Our Tallahassee location enables staff professionals to develop innovative yet practical designs based on special insights into the problems and requirements of the communities where they reside.

**Availability**

Of the staff identified above, a very large majority work regularly in the Tallahassee office which is located within a 15 minute drive of the offices of Leon County's Public Works Department. Many of the staff are currently working on Leon County assignments under the existing continuing services contract, and are in regular contact with County staff. Much of our proposed staff has devoted more than 50 percent of their work effort towards Leon County assignments for the past few years. As these assignments are completed, there will be staff available to accept new assignments. Other staff can be added where necessary to meet workloads, and Leon County has the opportunity to re-prioritize the assignments that have been issued to PBS&J if desired.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team.

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## Resumes and Team Organization

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

Brief resumes for key personnel that may be assigned to projects in this category are included following the organizational chart in this section.

Utility Engineering										
Name	Role	Location	Total Years Exp. with Firm/ (Years Other Firm)	Computer Modeling	Feasibility Studies	Service Capacity Reports	System Design	Design Documents Review	Expert Witness Services	General Assistance
Michael A. Scibelli, PE	Client Service/Project Manager	Tallahassee, FL	14 (14)		■	■	■	■	■	■
Norman F. Robertson, PE	Project Engineer	Tallahassee, FL	7 (0)	■	■	■	■	■		■
Craig A. Ferguson, PE, BCEE	Senior Environmental Engineer	Marietta, GA	27 (5)	■	■	■	■	■	■	■
Desiderio M. Maldonado, EI	Project Engineer	Tallahassee, FL	5 (0)	■	■	■	■	■		■
David L. Gauker, EI	Operations Specialist	Marietta, GA	10 (29)	■	■	■	■	■	■	■
Dannie S. Bracken	Utility Designer	Tallahassee, FL	32 (7)		■	■	■	■	■	■
Pedro L. Trevin, PE, LEED AP	Senior Electrical Engineer	Miami, FL	14 (18)	■	■	■	■	■	■	■
Robert L. Farley, RLA, LEED AP	Certified Arborist	Tallahassee, FL	7 (27)							



## Subconsultants

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.

PBS&J Subconsultants at a Glance	
Name of Subconsultant	Discipline
3DS Tallahassee, Florida	Survey
Environmental and Geotechnical Specialists (EGS) Tallahassee, Florida	Geotechnical
HSA Consulting Group Tallahassee, Florida	Survey
Nodarse & Associates, Inc. Tallahassee, Florida	Geotechnical
Salter & Mitchell, Inc. Tallahassee, Florida	Public Relations
Thurman Roddenberry and Associates Sopchoppy, Florida	Survey

The following subconsultants will be engaged as needed to support PBS&J's work for the Leon County civil engineering services, continuing supply, projects:

### *Diversified Design & Drafting Services, Inc. (3DS) – Survey*

3DS, Diversified Design & Drafting Services, Inc., develops innovative surveying and mapping solutions for professionals seeking quality design surveys, digital mapping, image scanning and ortho photos. 3DS is in the business of data collection; marrying a variety of conventional and cutting-edge technologies to fulfill your company's needs. 3DS utilizes traditional surveying techniques, photogrammetry, or a combination of methods to find the right solution.



3DS

2374 Capital Circle  
NE Tallahassee,  
Florida 32308  
ph. 850.385.1133  
fax 850.385.1236  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

#### 3DS Local Experience

- Leon County/City of Tallahassee Stormwater Infrastructure Inventory Map, Phase 2, 2011, Woolpert, Tallahassee, FL
- City of Tallahassee/Blueprint 2000 Capital Circle NW/SW
- Leon County GPS/LIDAR Mapping, 2005 to 2009
- City of Tallahassee Master Sewer Plan, 2006
- Tallahassee Regional Airport, 2009

## ***Environmental and Geotechnical Specialists (EGS) – Geotechnical***

The M/DBE firm of Environmental and Geotechnical Specialists, Inc. 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**  
104 North  
Magnolia Drive,  
Tallahassee,  
FL 32301  
ph. 850.386.1253  
fax 850.385.8050  
  
City of Tallahassee  
and Leon County  
Consortium Interlocal  
Agreement Minority/  
Women-Owned  
Business Enterprise

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS's professional staff has extensive experience in working with clients to facilitate the cost-effective investigation, engineering design and construction of all aspects of a project requiring these services. 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's 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's investigations are presented in a focused engineering report prepared by a licensed professional engineer.

### **EGS Local Experience**

For PBS&J/Leon County Department of Public Works:

- Selena Road Drainage and Roadway Improvements
- Sunflower Road Drainage and Roadway Improvements
- Emergency Access Roadway from Fairbanks Ferry Court to rivers Edge Road
- Bannerman Road/Bull Headley Road Intersection Improvements
- Meridian Road/Bannerman Road Intersection Improvements
- Meridian Road/Ox Bottom Road Intersection Improvements

For Leon County Department of Public Works:

- Bannerman Road at Tekesta Drive Drainage and Roadway Improvements
- Cloudland Drive Slope Repair
- Lauder Pond Outfall Pipe Investigation
- Lauder Pond Karst Investigation
- Lake Munson Sediment Investigation

For other clients:

- Capital Cascade Park Design
- Capital Circle Widening, Segments 1, 2, 3 and 4
- Franklin Boulevard Drainage Improvement
- Lonnbladh Road Roadway and Drainage Improvements
- FAMU Roadway Design
- Killlearn Acres Middle Basin Drainage Improvements
- Southbrook Unit I Drainage Improvements

### ***HSA Consulting Group, Inc. (HSA) –***



**HSA Consulting Group**

*HSA  
1648 Metropolitan  
Circle, Suite A,  
Tallahassee, FL  
32308  
ph. 850.309.7510  
fax: 850.309.0246  
Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office  
of Supplier  
Diversity; certified  
Disadvantaged  
Business Enterprise  
(DBE) with the  
Florida Department  
of Transportation  
(Work Group 9.1);  
MBE/WBE state and  
local certifications  
throughout Florida*

HSA Consulting Group, Inc. is a professional service organization providing an extensive range of transportation planning, traffic engineering, surveying and mapping, and photogrammetric services. Clients include local, regional and state governmental agencies as well as private and institutional clients such as medical and educational clients. Additionally, our experience includes work with the Department of Defense and Federal Highway Administration. With offices located in Gulf Breeze, Chipley, and Tallahassee, Florida our service area includes the Northwest Florida and other areas of the state and nation facing growth management challenges.

The firm was established in 1990 with a commitment to providing the highest quality, professional transportation and land use consulting services available. Our corporate philosophy is founded on the importance of understanding our client's perspective, as well as technical requirements. We believe our commitment to quality is best demonstrated by delivering products which are technically sound, reflect our client's goals, and contain attention to detail consistent with our internal quality control procedures.

Areas of expertise offered by HSA Consulting Group, Inc., range from transportation studies and traffic analysis to comprehensive growth management and land use planning, to state of the art geodetic surveying and GIS mapping solutions.. Specific areas of expertise offered by the firm include the following:

- Conventional Surveying, GPS and Aerial Survey and Mapping
- Transportation Planning and Traffic Analysis
- Large-Scale Traffic Data Collection Programs
- Traffic Forecasting and Modeling
- Roadway Characteristics Inventory
- Local Government Comprehensive Planning
- Traffic Operations Studies
- Traffic Engineering Analysis and Signalization Design
- Geographic Information Systems/Spatial Data Services

HSA Consulting Group, Inc. is qualified as a prime consultant in transportation planning, traffic engineering, and surveying and mapping categories with the Florida Department of Transportation. We are a Certified Disadvantaged Business Enterprise (DBE), which is woman-owned. Principals of the firm are members of the American Institute of Certified Planners, the Institute of Transportation

Engineers, the Florida Society of Surveyors and Mappers, and the American Society of Photogrammetry and Remote Sensing.

#### HSA Local Experience

- Eastern Tallahassee 115kV Underground Transmission Line Project – 1.5 mile route survey along Dempsey Mayo Road and Miccosukee Greenway corridor
- FAMU Campus-Wide Electrical Upgrades Technology Infrastructure-PHASE 3 – topographic survey utilizing photogrammetric and field techniques
- Leon County Rail Project – control and process all rail Imagery and update rail database
- Killearn Lakes Stormwater Permitting – Phase 1 – full topographic survey for drainage revisions
- Timber Lake Stormwater Design Project – full topographic survey for stormwater design
- Fairbanks Ferry Emergency Access Road Design Project – .5 mile planimetric survey for roadway design and easement sketches and descriptions
- Selena Road Design Project – 1.5 mile route survey for roadway design
- Karen Lane Drainage Study – .5 mile full topographic survey for drainage revisions
- Miccosukee Community Park – full topographic survey for drainage revisions
- Bannerman Road – 1.5 mile topographic route survey for roadway design
- Capital Circle SE – 1 mile route survey for design build project



*Nodarse &  
Associates, Inc.  
3539 Apalachee  
Parkway, Suite 3-220  
Tallahassee,  
FL 32311  
ph. 850.459.3677*

*Certified Minority  
Business Enterprise  
(MBE) with the State  
of Florida Department  
of Management  
Services Office of  
Supplier Diversity*

#### **Nodarse & Associates, Inc. (N&A) – Geotechnical**

N&A was founded in 1991 by Ms. Leila Nodarse, P.E. Over the past 19 years, N&A has grown to be one of the most dynamic and respected engineering firms in the state of Florida. N&A employs a staff of 200 professional engineers, geologists, scientists, field/laboratory technicians, drillers and various support staff. N&A's capabilities and expertise are in the fields of geotechnical engineering, environmental consulting, construction materials testing, threshold inspection, pile driving dynamic monitoring (PDA) and drilling. N&A's corporate headquarters is located in Winter Park and the firm has regional offices in Miami, West Palm Beach, Tampa and Jacksonville, and branch offices in Lakeland, Kissimmee, Ormond Beach, Tallahassee, and Gainesville.

N&A is a certified Minority Business Enterprise (MBE) with the State of Florida Department of Management Services Office of Supplier Diversity, and a certified Disadvantaged Business Enterprise (DBE) with the Florida Department of Transportation (Work Group 9.1), as well as MBE/WBE certifications with numerous municipalities and counties throughout Florida. We are ranked among Engineering News Record's Top 500 Design Firms in the Nation and recognized as one of the Top 100 Companies for Working Families by The Orlando Sentinel.

#### **N&A Local Experience**

N&A currently provides geotechnical engineering, construction materials testing, threshold inspection and/or environmental site assessments throughout the State of Florida and specifically, North Florida. Nodarse has rendered services for

most of these projects through continuing services contracts. We have earned a reputation throughout the State of Florida as a technically sound and innovative geotechnical engineering, environmental consulting and construction materials testing firm. One area, in particular, where we excel is in consulting for public sector entities under a continuing services contract.

Our public sector experience encompasses more than 40 continuing geotechnical, environmental and/or construction materials testing contracts with municipalities, counties and other governmental entities. The following projects depict the largest continuing contracts we have with public sector entities in North Florida:

- Leon County – Civil Engineering Services (Geotechnical, Materials Testing and Environmental) Continuing Contract
- City of Tallahassee – Geotechnical and Construction Materials Testing Continuing Contract
- Alachua County, Annual Professional Geotechnical Engineering and Testing Services Continuing Contract
- St. Johns County – Geotechnical Services Continuing Contract
- Florida Department of Transportation District 2, District Wide Geotechnical & Materials Testing
- Florida Department of Transportation District 2, Materials Testing



*Salter > Mitchell*  
 117 South  
 Gadsden Street  
 Tallahassee,  
 Florida 32301  
 Ph. 850.681.3200  
 fax 850.681.7200

### ***Salter > Mitchell, Inc. – Public Relations***

Salter > Mitchell is a public affairs, advertising and social marketing firm with offices in Tallahassee, Orlando and Washington D.C. The firm is led by April Salter and Peter Mitchell, two well-known and respected communications experts with national and international credentials.

April Salter offers two decades of experience managing statewide public relations efforts in Florida for state agencies, a governor, numerous state associations, non-profits and Fortune 500 companies. Peter Mitchell helped design Florida's groundbreaking 'truth' anti-smoking campaign as its initial marketing director.

Known for our passion, strategic thinking and connections, our public affairs team delivers results for our clients year after year. Our firm's senior level staff draws from more than 100 years of combined media and public relations experience to create effective, memorable campaigns that influence outcomes.

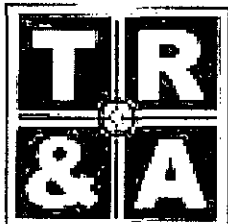
Our selling points are simple and direct: We build support and minimize opposition for important policies and programs. Our network of contacts has been built over decades of experience, and we are well-positioned to make things happen. We take great pride in our ability to connect our clients with leaders and decision makers in key organizations that are critical to achieving their goals. Our past and present working relationships with top media, business, non-profit and political leaders put us on the inside track.

### **Salter Mitchell Local Experience**

- Killlearn Lakes Sanitary Sewer Project for Leon County/PBS&J
- Leon County Charter Amendment for Leon County
- Destin Water Users, Inc. Community Relations

## ***Thurman Roddenberry and Associates, Inc. (TR&A) – Survey***

Thurman Roddenberry and Associates, Inc. is a full service surveying and mapping company specializing in boundary surveys, topographical surveys, subdivision design and layout, construction layout, and survey related work to aid engineering projects.



*TR&A*  
 125 Sheldon Street  
 P.O. Box 100  
 Sopchoppy, FL  
 32358-0100  
 ph. 850.962.2538  
 fax 850.962.1103

### **TR&A Local Experience**

- "M" Inc. of Tallahassee/Construction layout work on major infrastructure Projects including as-built surveys of several schools in Leon County/worked 1990 to present.
- Cliff Lamb and Associates, Inc./large subdivision projects, including: boundary surveys, topographical surveys, design and monumentation, construction; layout/worked since 1995 up to present.
- Premier Construction and Design and Sandco/large subdivision projects including topographical surveys, design and monumentation, and construction layout and as-built surveys including several schools in Leon County, FL.
- Inovia/large subdivision projects including topographical surveys, design and monumentation, and construction layout/since 2000 to present.
- Pine Coast Realty/15,000 acres in Franklin County and Liberty County/ surveyed and divided into 40-acre or larger tracts (Old Alberta Crate land).
- Piney 'Z'/800 acre subdivision in Leon County/developed into approximately 800 lots.
- City of Sopchoppy/worked with city on many projects, most projects were funded by USDA RD; current projects are the water system and sanitary sewer projects.

# Utility Engineering



**Michael A. Scibelli, PE**  
Client Service Manager  
Tallahassee

**Michael A. Scibelli, PE**  
Project Manager  
Tallahassee

**Norman F. Robertson, PE**  
Project Engineer  
Tallahassee

**Craig A. Ferguson, PE, BCEE**  
Senior Environmental Engineer  
Marietta

**Desiderio M. Maldonado, EI**  
Project Engineer  
Tallahassee

**David L. Gauker, EI**  
Operations Specialist  
Marietta

**Dannie S. Bracken**  
Utility Designer  
Tallahassee

**Pedro L. Trevin, PE, LEED AP**  
Senior Electrical Engineer  
Miami

**Robert L. Farley, RLA, LEED AP**  
Certified Arborist  
Tallahassee

# Michael A. Scibelli, PE

*Client Service Manager, Project Manager*

*Past Job Assignments: Division Manager, Program Manager, Senior Group Leader, Client Service Manager, Project Director, Senior Project Manager, Senior Civil Engineer, Project Engineer, Urban & Regional Planner*

*Years with PBS&J: 14*

*Years with other Firms: 14*



Mr. Scibelli will serve as the overall client service manager for all civil engineering project issued under this contract, and he will also serve as the project manager for the stormwater, subdivision and site development, and utility engineering projects. Mr. Scibelli currently serves as the primary client service manager for Leon County and he has served as the project manager for many of Leon County's public works projects. Mr. Scibelli specializes in managing complex projects. He is a professional project manager, a senior civil engineer and urban planner experienced in project planning, permitting, design, and management of private development and public works projects. He also manages master planning studies and reports and is experienced in the construction administration of related projects. He has 28 years of engineering experience as a consultant in Florida.

## Education

M.S., Planning, Urban and Regional, Florida State University, 1991

B.E., Environmental & Water Resources Engineering & Mathematics, Vanderbilt University, 1983

Mr. Scibelli has been providing project management on Leon County projects for more than seven years and is committed to continuing to be Leon County's client service manager and a project manager to ensure that Leon County continues to receive the highest quality services available. Mr. Scibelli places a high emphasis on customer service and understanding Leon County's goals and objectives for each assignment. Mr. Scibelli has been a resident of Leon County since 1996 and is based in our Tallahassee office.

## Registrations/Licenses

Professional Engineer  
Florida 40238, 1988

Mr. Scibelli has a proven track record of service with Leon County as a project manager and two of his projects were recognized by the APWA Big Bend chapter as Projects of the Year. One such project was the Killeam Lakes Low Pressure Sewer System. Mr. Scibelli served as project manager for this project which provided a municipal grade sewage collection system to the 1,300 residents of Killeam Lakes Plantation Units 1 & 2. The neighborhood experienced numerous failures of on-site septic systems creating safety concerns. The final cost of the project was within 5-percent of the County's original budget estimate. During the entire project, only one tree was removed after more than 100,000 feet of sewer pipe was installed. Mr. Scibelli was also the project manager for the intersection improvements at Meridian Road and Ox Bottom Road. As this project was within the Canopy Road Protection Area, there was a question whether the project could be permitted or constructed as it was within the city limits. This project was permitted and built and the final cost was approximately 20-percent below the County's original cost estimate and it was also recognized by the APWA as a Project of the Year.

## Professional Affiliations

American Public Works Association

Water Environment Federation (WEF)

Society of American Military Engineers (SAME)

Below is a listing of related projects that demonstrate Mr. Scibelli's qualifications for this assignment:

## Expert Witness

Qualified and Testified as Expert Witness for Domestic Wastewater Treatment and Potable Water Treatment Systems

**Project Name: Leon County Continuing Supply**

**Type of Project: Public Works Engineering**

**Project Fees: \$4M over the past 10 years**

**Specific Project Involvement: Client Service Manager & Project Manager**



Mr. Scibelli has a proven record of providing client service and project management services for Leon County including roadway projects, stormwater projects, traffic studies, subdivision improvements, park projects, structural assistance, utility projects, and environmental consultations and services. Mr. Scibelli understands what Leon County expects from consultants and he has consistently delivered projects that are on time, within budget, and very high quality.

**Recent Leon County Projects:**

**Stormwater**

- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager for Timberlake Subdivision Flood Mitigation.
- Project manager for Tropical Storm Fay Project Evaluations.
- Project manager for Fonvielle Farm Control Structure.
- Project manager for Killearn Lakes Greenway Drainage Improvements.
- Project manager for Lexington Basin Drainage Study.
- Project manager for Salamanca Drainage Improvements.

**Roadway Design**

- Project manager for Velda Dairy Sidewalk.
- Project manager for Perkin Road Sidewalk.
- Project manager for Fairbanks Ferry Road Design & Permitting.
- Project manager Pavement Lights for The Moon.
- Project manager for Sunflower Road Improvements.
- Project manager for Leon County LAP Compliance.

**Traffic and Intersection Engineering**

- Project manager for Meridian & Ox Bottom Intersection Improvements.
- Project manager for Meridian & Bannerman Intersection Improvements.
- Project manager for North Monroe SEIR.

**Subdivision and Site Development**

- Project manager for Selena Road Design & Permitting.
- Project manager for Environmental Assessments for CDBG projects.
- Project manager for Killearn Lakes Sidewalks Design, Permitting & Construction Administration.

**Parks and Recreational Facilities**

- Client manager for Miccosukee Park Improvements.
- Client manager for J. Lewis Hall Park Improvements.

**Structural Engineering**

- Client manager for Miccosukee Park Scoreboard Foundation.
- Project manager for Signal Foundations for Ox Bottom and Bannerman intersections on Meridian Road.

**Utility Engineering**

- Project manager for Killearn Lakes Low Pressure Sewer Support.

Michael A. Scibelli, PE  
Client Service Manager, Project Manager

**Environmental Support Services**

- Client manager for water quality sampling and testing services.
- Project manager for North Monroe Contamination Assessment.

**Construction Engineering and Inspection Services**

- Project manager for Buck Lake Rd CEI.
- Project manager for Leon County Technical Specifications.
- Project manager for Killearn Lakes Low Pressure Sewer CEI.

**Other Related Experience:**

**Project Name: Southwood**

**Type of Project: Community Development**

**Project Cost : \$50M from 1999 to 2005**

**Specific Project Involvement: Client Service Manager & Project Manager**

Mr. Scibelli served as the project manager for the design and construction of the SouthWood Development in Tallahassee, Florida from 1999 to 2005. He managed a multidisciplinary team of civil engineers, land planners, scientists, and transportation specialists to assist with the design and construction of a 3200 acre mixed use new town. The project focused on neo-traditional design and new urbanism which included mixed uses within communities, a traditional town center, a mixed mode transportation system emphasizing pedestrian and bicycle facilities, and community services in close proximity to neighborhoods. Services included a DRI application, an Amendment to the Southeast Sector Plan, development of a Planned Unit Development (PUD), a Natural Features Inventory and Environmental Impact Analysis, Transportation modeling, planning, and mitigation assistance, development of a Stormwater Facility Master Plan, design of off-site roadway improvements, design of a 18-hole Golf Course, design of a Town Center, design of over 20 subdivisions, design of backbone roadways, design of a community center, design of trails and recreational facilities, and design of backbone stormwater conveyance, treatment, and storage facilities.

**Other Related Project Management Experience:**

- Project manager for the Pier Park Community Development District (CDD) in Panama City Beach, Florida.
- Project manager for City of Tallahassee Reuse Master Plan.
- City Engineer for City of Vernon and City of Branford.
- Project manager for Fort White Public water system including treatment plant, transmission and water distribution mains, well field, water ordinance, and rate structure.
- Project manager for City of Umatilla Master Water Plan.
- Special consultant to City of Tallahassee in charge of a full-scale pilot testing of FKC Class A residuals treatment process.
- Project manager and construction manager for the redesign of the Tarpon Springs Residuals Handling Facilities.
- Project manager for Pinellas County Sludge Management Plan.
- Project manager for preparation of a market study for dried sludge in Florida.
- Project manager for the pilot testing of centrifuge implementation at South Cross Bayou Plant in Pinellas County.

# Norman F. Robertson, PE

*Project Engineer*

*Past Job Assignments: Contract Administrator, Project Manager*

*Years with PBS&J: 7*

*Years with Other Firms: 0*



## Education

B.S., Engineering Management,  
University of Missouri-Rolla,  
2004

## Registrations/Licenses

Professional Engineer  
Florida, 69785, 2009

## Professional Development

Qualified Stormwater Management  
Inspector, Florida Department  
of Environmental Protection,  
March 8, 2005.

Interconnected Pond Routing  
(ICPR) Stormwater Modeling  
Training, Streamline  
Technologies, Inc., Winter  
Park, Florida, Spring 2006.

## Professional Affiliations

Project Management Institute (PMI)  
Water Environment Federation  
(WEF)

Florida Water Environment  
Association (FWEA)

Mr. Robertson serves as an engineer with PBS&J's engineering division in the Tallahassee office. He has seven years of general civil engineering experience involving stormwater, water, sewer, roadway, and site design. He also has experience working with the risk and emergency management group, aiding in the facilitation of hurricane relief projects. He has also served as a contract administrator providing services during construction for a local community development district (CDD).

Mr. Robertson's PBS&J project experience includes:

**Project Name: Southwood Community, Capital Region CDD, Tallahassee, Florida.**

**Type of Project: Subdivision Site Design**

**Size of Project:** Approximately \$4.3 million to date. This project provided comprehensive consulting services to Gee & Jenson and CH2M-Hill for nearly all the infrastructure within Southwood. These services include planning, engineering design and analysis, construction drawings, permitting, bidding and construction administration for more than 15 site layouts and many subdivision backbone roadways on site and off site. The various components of the projects have consisted of roadway and traffic design, neighborhood and regional stormwater management facilities and conveyances, potable water distribution, sewer collection systems, lift stations, environmental permitting services, landscape architecture, irrigation design, and permitting. Other services include attendance at board meetings, assistance in preparation of Community Development District documents including engineer's reports, and providing assistance during contractor's prequalification.

**Specific Project Involvement:** Mr. Robertson serves as a contract administrator responsible for provided client services during construction; this project involved managing more than 15 contracts between the CDD and the contractor. This includes providing quantity takeoff calculations, cost estimating, bidding, awarding a contract, managing the contract, conflict resolution, project inspection, and facilitating the final acceptance with all local and state municipalities. Mr. Robertson has also provided design services for several roadways throughout the Southwood development. These services include stormwater design, water and sewer design, lift station design, grading, roadway alignment, and sidewalk design.

**Project Name: Killearn Lakes Stormwater Study – Unit 1, Unit 2, and Unit 3 Leon County Public Works, Leon County, Florida.**

**Type of Project: Stormwater Study**

**Size of Project:** Approximately \$300K. PBS&J conducted a preliminary stormwater study of the established Killearn Lakes Subdivision for Units 1, 2, and 3. PBS&J provided conceptual design plans to alleviate flooding problems throughout the community.

**Specific Project Involvement:** Mr. Robertson was a design engineer responsible for due diligence, site evaluation, stormwater calculations, and plans preparation. This project includes providing an "out of the box" approach to providing flood relief to a large neighborhood with a history of flooding.

Norman F. Robertson, PE  
Project Engineer

**Project Name: Salamanca Ct Stormwater Improvements, Leon County Public Works, Leon County, Florida.**

**Type of Project: Stormwater Improvement**

**Size of Project:** Approximately \$50K. PBS&J provided engineering and consulting services to Leon County Public Works to evaluate and determine a solution for a flooding problem on Salamanca Ct. and Palencia Ct. located in Leon County.

**Specific Project Involvement:** Mr. Robertson served as a project engineer in the design and permitting of stormwater facilities to aid in flood relief of an existing neighborhood.

**Project Name: Leon County Sidewalks, Leon County Public Works, Leon County, Florida.**

**Type of Project: Sidewalk Retrofit Design**

**Size of Project:** \$47K PBS&J provided engineering and consulting services to Leon County Public Works to provide a sidewalk design within existing roadway right-of-way.

**Specific Project Involvement:** Mr. Robertson served as a project engineer in the design and permitting of sidewalks within existing county right of way. The design included providing proper drainage, stormwater management, and ADA compliance.

**Project Name: Tradewinds of Ochlocknee Bay Resort Subdivision, Mashers Sands Beach, Florida.**

**Type of Project: Subdivision Site Design**

**Size of Project:** Approximately \$63K. PBS&J provided full design services, including civil engineering and landscape architecture, for this resort community located along the Ochlockonee Bay. The site plan maximizes views of the bay with community access to the water and marina. The design uses native plant material throughout the project. A community center with custom pool is centrally located with direct access to the water and fishing pier. The stormwater ponds are situated in park settings and are treated as focal points with paths connecting the parks to individual lots and the waterfront.

**Specific Project Involvement:** Mr. Robertson was responsible for construction administration and project approval, provided project inspections, and authorized payments to contractor.

# Craig A. Ferguson, PE, BCEE

Senior Environmental Engineer

Past Job Assignments: Principal-in-Charge, Engineer-of-Record, Project Manager

Years with PBS&J: 27

Years with other Firms: 4



Mr. Ferguson is a vice president and principal project director for PBS&J's southern states water infrastructure division. A PBS&J employee since 1983, he has 30 years of environmental engineering experience, and has served as principal-in-charge and managed or served as lead engineer for the planning, design, and construction of many water and wastewater projects. He has extensive experience in water and wastewater system planning, design, construction, troubleshooting, financial analyses, and cost estimating; alternative delivery projects including design-build and construction manager-at-risk (CMAR), water and sewer rate studies and user ordinances; preparation of operation and maintenance (O&M) manuals; resident engineering and field inspection; sewer system evaluation surveys (SSES); and infiltration/inflow (I/I) investigations.

## Education

M.B.A., Business Administration,  
Michigan Technological  
University, 1980

B.S., Civil Engineering, Michigan  
State University, 1979

## Registrations/Licenses

Professional Engineer

Georgia, 029459, 2004

Florida, 36080, 1985

Mississippi, 18149, 2007

North Carolina, 036051, 2009

South Carolina, 28772, 2012

## Certifications

Board-Certified Environmental  
Engineer (BCEE), American  
Academy of Environmental  
Engineers, 2002

Private Pilot, Single Engine Land,  
1976

Mr. Ferguson's relevant project experience includes:

**Project Name: Water Supply, Treatment, Storage, and Distribution Improvements for the U.S. Army Corps of Engineers (USACE) at Fort Stewart, Georgia**

**Type of Project: Potable water supply, treatment, storage and distribution**

**Size of Project (dollar amount and scope): \$2,000,000;** The designed improvements include a 1,000-gpm lower Floridan aquifer water supply well, a 0.5-mgd reverse osmosis membrane water treatment system, a 0.5-mg elevated water storage tank, and water distribution pipeline improvements.

**Specific Project Involvement:** Managed and served as engineer-of-record for water supply, treatment, storage, and distribution improvements for USACE at Fort Stewart, Georgia. The existing Fort Stewart water system hydraulic model was modified to help size and simulate the water storage and distribution system under peak flow and fire flow conditions. These water system improvements are part of the Infantry Brigade Combat Team (BCT) Infrastructure project at Fort Stewart which is currently under construction.

**Project Name: Ongoing Architectural Engineering and Design Services**

**Type of Project: On-call consultant**

**Size of Project (dollar amount and scope): \$17 million since 2003**

**Specific Project Involvement:** PBS&J has been a member of the JP2 Joint Venture providing services to all departments of the City of Atlanta, except aviation, since 2003. Mr. Ferguson has served on the JP2 Board of Control since 2005. In this capacity, he has overseen project assignments involving water and wastewater security, water system asset management, water transmission design and permitting, bike path design, design guidelines, emergency sewer inspection, embankment assessment and design, SSES construction management, and a Federal Emergency Management Agency (FEMA) assessment of homes within the floodplain. Mr. Ferguson is currently serving as the JP2 managing partner.

**Project Name: Harrison County Utility Authority – Eastern Harrison County Regional Water Supply Project**

**Type of Project: Potable water supply, treatment, storage and distribution**

**Size of Project (dollar amount and scope): \$25,000,000;** The project includes five 1,000-gpm wells and associated water treatment systems, four elevated

storage tanks totaling approximately three million gallons of storage, and 19 miles of water transmission main. Mr. Ferguson served as the engineer-of-record for design of the pipeline which includes a 1,000-foot subaqueous crossing of the Tchoutacoubuffa River.

**Specific Project Involvement:** Currently managing PBS&J's services for the largest water supply, treatment, storage, and water distribution project in coastal Mississippi. The project includes 100% Community Development Block Grant (CDBG) grant funding and are associated with rebuilding or expanding the water infrastructure systems damaged during Hurricane Katrina. Mr. Ferguson reviewed a hydraulic model prepared by others and made changes as deemed appropriate for design purposes.

**Project Name: Reuse Master Plan**

**Type of Project: Reuse Master Planning and Hydraulic Modeling**

**Size of Project (dollar amount and scope): \$163,000;** This project involved hydraulic modeling of the existing and planned future reuse water supply, storage, pumping, and distribution system. The plan included agricultural, residential, and industrial reuse.

**Specific Project Involvement:** Managed PBS&J's development of a reuse master plan for the City of Tallahassee (Florida).

**Project Name: Southeast Sprayfield Improvements**

**Type of Project: Reuse pumping, distribution and spray irrigation**

**Size of Project (dollar amount and scope): \$79,800;** This assessment included an assessment of the existing SESF overhead irrigation nozzles, pump station performance, hydraulic modeling of the distribution system, crop irrigation limitations, freeze protection, and nutrient transport.

**Specific Project Involvement:** Managed PBS&J's assessment report for the City of Tallahassee (Florida) Southeast Spray Field (SESF) agricultural crop irrigation (reuse) site utilizing reclaimed water.

**Project Name: Brevard County South Central Regional Water Reclamation Facility Expansion and Upgrade**

**Type of Project: Wastewater treatment and effluent disposal**

**Size of Project (dollar amount and scope): \$15,000,000;** Included in this project were planning, design, permitting, and construction services for expanding the existing water reclamation facility (WRF) from 3 million gallons per day (mgd) to 5.5 mgd, while improving the level of treatment from advanced secondary to advanced wastewater treatment (AWT) levels. Also included in this project were a 150-acre, 2.5-mgd created wetlands, and expansion of the County's multifaceted 100 percent reuse program. The wetlands project involved providing technical support to the County in a condemnation process associated with site acquisition for the wetlands.

**Specific Project Involvement:** Managed the services associated with the \$15 million expansion program of the County's South Central Regional Wastewater Treatment and Effluent Disposal/Reuse System.

**Project Name: Leachate Pump Station and Force Main Project**

**Type of Project: Landfill leachate pumping and transmission**

**Size of Project (dollar amount and scope): \$500,000**

**Specific Project Involvement:** For Leon County (Florida), he managed the design, permitting, and construction of a new leachate pumping station and associated force main that discharged into the City of Tallahassee's sewer system. Assisted the County in negotiating an interlocal agreement with the City.

# Desiderio M. Maldonado, EI

*Project Engineer*

*Past Job Assignments: Field Engineer, Engineer*

*Years with PBS&J: 5*

*Years with other Firms: 0*



## Education

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

## Certifications

Engineer Intern (EI), Florida (1100010586), 2006

## Professional Affiliations

American Society of Civil Engineers (ASCE)  
Florida Engineering Society (FES)  
Florida Water Environment Association (FWEA)

Mr. Maldonado is a civil engineer with over five years of civil and structural design and analysis experience and serves as an engineer in PBS&J's Ports and Coastal Division. His background includes on-site construction administration and inspection, master planning and site plan design, structural design and analysis, cost estimating and preparation of construction documents. His current job duties include preparing construction documents, structural calculations, structural drawings and details, interdisciplinary coordination, and on-site construction inspections.

Mr. Maldonado's PBS&J experience includes:

### **Carrabelle Water Line Repair, Carrabelle, Florida**

#### **Type of Project: Water Utility**

**Size of Project: \$100,000.** This project for the City of Carrabelle involves evaluating and designing a solution to fix a 12-inch ductile water line incorrectly constructed along the Tillie Miller Bridge, which crossed the Carrabelle River.

**Specific Project Involvement:** Mr. Maldonado acted as one of the lead designers in researching the condition of the water line, the cause the failure, and drafting recommendations for how to properly repair the water line. The recommendations were utilized to repair the waterline under the estimated budget and the water line is currently in use today.

### **Tram Road reuse facility for the City of Tallahassee Water Utility, Tallahassee, Florida**

#### **Type of Project: Reuse Water Plant**

**Size of Project: \$4.6 million.** The Tram Road reuse facility is the first reuse facility in Tallahassee and will provide reuse water to Southwood and other participating customers.

**Specific Project Involvement:** Acted as field engineer and on-site inspector, reviewed all shop drawings, scheduled and headed progress meetings and coordinated with the City of Tallahassee, the contractors, and vendors.

### **Project Name: Killlearn Lakes Plantation Sewer Project, Tallahassee, Florida**

#### **Type of Project: Sewer**

**Size of Project: \$4.8 million.** This project for Leon County Public Works involved the installation of a municipal grade sewage collection system for the residential subdivision. PBS&J provided professional, technical, design, and permitting services necessary to provide the drawings, plans, specifications, permits and other documents necessary for the project.

**Specific Project Involvement:** Mr. Maldonado served as the primary field engineer, and was responsible for direct coordination with contractor and owner, monitoring schedule and cost, reviewing and processing contractor payment requests, assisting with design process, reviewing contract documents and shop drawing submittals for approval. Mr. Maldonado also handled day to day involvement with the local homeowners of Killlearn Lakes Plantation to ensure any construction issues were being resolved with the contractor, and that construction was being completed satisfactorily.

**Sebastian Inlet State Park Fishing Pier Replacement, Vero Beach, Florida**  
**Type of Project: Structural Design**

**Size of Project: \$70,260.** PBS&J was contracted to design, permit, and provide construction drawings for a new replacement pier at the Sebastian Inlet State Park. The park currently has an all pressure-treated wood fishing pier located along the Sebastian Inlet. Part of the new pier design will incorporate concrete piles to eliminate pressure treated wood from coming in contact with the waterway under normal conditions. This new fishing pier will also be wider and allow for docking of emergency response water vessels if needed.

**Specific Project Involvement:** Mr. Maldonado prepared the preliminary and final design and calculations of the structure, as well as all drawings for permit submittal and bid documents. The pier is currently in the bidding stage.

**Navarre Beach Fishing Pier, Navarre Beach, Florida**

**Type of Project: Structural Design**

**Size of Project: \$8.4 million.** This project for the County of Santa Rosa, Florida involves design of a new fishing pier that extends over 1,540 feet into the Gulf of Mexico and is currently the longest pier in the Gulf of Mexico.

**Specific Project Involvement:** Mr. Maldonado assisted with structural calculations for the design of the pier, prepared all structural and civil drawings for the project for permitting and construction, and assisted with fielding design questions during construction. The project was completed and opened in June 2010.

**Boat Harbor Water Treatment Plant Odor Control Improvements, New Port News, Virginia**

**Type of Project: Structural Design**

**Size of Project: \$615,655.** This project for Hampton Roads Sanitation District, Virginia is to add plant upgrades that include new caustic soda tank and feed system, biosolids receiving facility with odor scrubbers, and modifications to existing dewatering building to accommodate new duct work and high plume blower fans, as well as plan for future expansion. The structural requirement for the high plume blower fans was to design framing on the roof to support the fans while allowing it to be safely accessible for maintenance. Careful consideration was taken to ensure new structures properly interacted with existing structure.

**Specific Project Involvement:** Mr. Maldonado prepared calculations for structural design, as well as prepared structural construction documents.

**Ponte Vedra Library Eco Park Boardwalk, Ponte Vedra, Florida.**

**Type of Project: Structural Design**

**Size of Project: \$105,059.** The Ponte Vedra Eco Park has a boardwalk that allows children to view and learn about the life cycle of the aquatic environment. The boardwalk meanders along the edge of the pond while gazebos provide shade in several locations, both over water as well as on land.

**Specific Project Involvement:** Mr. Maldonado assisted with the design of the board walks and the gazebos and prepared the final structural construction documents.



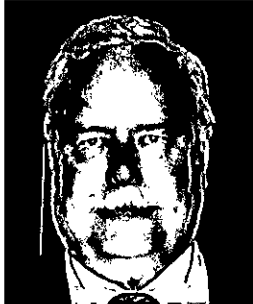
# David L. Gauker, EI

*Project Role: Utility Engineering*

*Past Job Assignments: Project Manager, Project Administrator, Studies/Design, Quality Control Review*

*Years with PBS&J: 10*

*Years with other Firms: 19*



Mr. Gauker is a senior scientist with PBS&J's water infrastructure group. He has 39 years of overall experience in planning, utility engineering, construction and operations of wastewater and water systems. His wastewater engineering experience includes all system components with expertise in biological process and solids handling. Operations experience includes advanced wastewater plant management and operations. In addition, Mr. Gauker has two years of operations/training/start-up experience in dewatering and incineration facilities at wastewater plants located in California, New Jersey, and Georgia.

His major projects include:

## Education

B.S., Environmental Science,  
Purdue University, 1974

## Registrations/Licenses

Engineer Intern  
Georgia, EIT021160, 2003  
Licensed Wastewater Operator,  
Indiana (previous)  
Licensed Industrial Wastewater  
Operator, Indiana (previous)

## Honors and Awards

PBS&J Project Excellence Award,  
2005

## Professional Affiliations

GAWP Water Treatment  
Committee  
American Water Works Association  
(AWWA) – Water Treatment  
Facility Design and  
Construction Committee as  
well as Technical and  
Educational Council and  
Treatment Plant Operations and  
Maintenance Committee

**Project Name: Army Base Treatment Plant Improvements, Phase III, Hampton Roads Sanitation District, Norfolk, Virginia**

**Type of Project: Wastewater Treatment**

**Size of Project (dollar amount and scope): \$85,000,000 in construction.**

Improvements and nutrient removal upgrades to an existing 25-mgd wastewater treatment plant. The upgraded plant design is to achieve a 3.0 mg/l TN and 0.30 mg/l TP.

**Specific Project Involvement:** Mr. Gauker served as lead technical professional for a new Nitrification Enhancement Facility (NEF) to treat inhibitive chemicals of concern from incinerator scrubber blowdown water prior to returning to the main process train for further treatment

**Project Name: Water System Evaluation for St. George Island, Florida**

**Type of Project: Engineering Study**

**Size of Project (dollar amount and scope): \$65,000 fee.** Comprehensive inspections and evaluations of mainland wells and raw water transmission line; structural evaluation of ground storage tanks, chemical systems, electrical and instrumentation system, and water distribution system; and overall system operations. Technical memorandums were prepared including estimates of cost and system priority improvements. Water audit was performed.

**Specific Project Involvement:** Mr. Gauker served as lead technical professional responsible for the water system evaluation.

**Project Name: Emergency Raw Water Contingency Planning, Buford, Georgia**

**Type of Project: Utility Planning**

**Size of Project (dollar amount and scope): \$30,000 fee (approximate).**

Included the development of planning, design, and permitting an emergency shore mounted electric driven raw water intake pumping facility near the City's existing intake on Lake Lanier. The plan was developed in response to extreme drought conditions experienced in North Georgia. The contingency pumping plan required coordination and permitting through USACE and the Georgia Environmental Protection Division.

**Specific Project Involvement:** Mr. Gauker was the project manager and lead professional preparing the plan.

**Project Name: Beaver Run Diversion Pump Station Cost/Benefit Analysis, Gwinnett County, Georgia**

**Type of Project: Feasibility Study**

**Size of Project (dollar amount and scope): \$26,000 fee.** Project included a detailed cost/benefits assessment evaluating the feasibility of installing high-volume/low-head transfer pumping equipment and on-site sewage storage tanks to lower operational costs during peak electrical demands periods. During off-electrical peaks, wastewater stored would be re-pumped using the existing equipment.

**Specific Project Involvement:** Mr. Gauker served as project manager.

**Project Name: Potomac Water Filtration Plant, Montgomery County, Maryland**

**Type of Project: Water Treatment**

**Size of Project (dollar amount and scope): \$90,000,000.** Upgrades to improve disinfection system, chemical feed systems and in-plant hydraulics.

**Specific Project Involvement:** Quality assurance/quality control (QA/QC) officer for the new ultraviolet disinfection, intermediate pump station design, flocculator improvements.

**Project Name: Rose Creek WRF Re-Rate Study, Woodstock, Georgia**

**Type of Project: Engineering Study and Construction**

**Size of Project (dollar amount and scope): \$ 525,000 total.** This project involved an evaluation and rerate from 4 to 5 mgd, due to rapid growth in the drainage basin serving the facility. Improvements to the facility involved equipment replacement to better serve the facility without the need to pour concrete basins to supplement capacity.

**Specific Project Involvement:** Mr. Gauker was the lead process engineer.

**Project Name: City of Covington Odor Control Study, Covington, Georgia**

**Type of Project: Study**

**Size of Project (dollar amount and scope): \$22,000 fee.** Evaluation of an industrial park interceptor sewer with a severe hydrogen sulfide corrosion and odor problem. A field investigation was performed to quantify the corrosion and hydrogen sulfide levels including a focused review of several industrial contributors adding high organic strength wastewater, high-temperature wastewater, and/or industrial contributors discharge sulfur-containing compounds. An evaluation report was prepared with a course of recommended action included.

**Specific Project Involvement:** Mr. Gauker was the lead engineer.

# Dannie S. Bracken

*Utility Designer*

*Past Job Assignments: Sr. Designer, Documents Coordinator, Special Projects Manager*

*Years with PBS&J: 32 Years*

*Years with other Firms: 7 Years*



## Education

A.A., Civil Engineering,  
Tallahassee Community  
College, 1986

Mr. Bracken is special projects manager for PBS&J's north Florida civil engineering services division. He has 39 years of extensive experience in providing road, utility, and grading design for various projects, including the design of water systems, sanitary sewage, drainage, roadways, and subdivisions.

He has assisted PBS&J project engineers with the development of shopping centers, large multi-unit subdivisions and office complexes, and government and university buildings. He is currently responsible for data collection, obtaining geotechnical and surveying services, coordinating between engineering and production staff at PBS&J, coordinating with review agencies in the preparation of contract documents, as well as awarding and administering construction contracts.

His relevant work experience includes:

**Project Name: Capital Circle SE Water and Sewer JPA**

**Type of Project: Design of water and sewer improvements in conjunction with the widening of Capital Circle SE**

**Size of Project (dollar amount and scope):** Design fee of \$55,000 to provide the design of the potable water, reuse water and sanitary sewer facilities in Capital Circle SE from Appalachian Parkway to Tram Road.

**Specific Project Involvement:** Mr. Bracken was Project Manager in charge of coordination with the client and the design build contractor, overseeing plans production and preparing and submitting permit applications. Mr. Bracken also provided the utility design, cost estimates and construction administration.

**Project Name: Mahan Drive Electrical Improvements**

**Type of Project: Permit applications for the overhead and underground electrical transmission improvement being constructed with the widening of Mahan Drive.**

**Size of Project (dollar amount and scope):** Design fee of \$50,000 to provide plans and permit applications for Leon County and City of Tallahassee Environmental and Florida Department of Transportation (FDOT).

**Specific Project Involvement:** Mr. Bracken was Projects Manager in charge of preparing plans and permit applications for the City of Tallahassee Electric Utilities within Mahan Drive Right of Way. He was also in charge of coordinating plans with FDOT's design engineer for the Mahan Drive Roadway Improvements.

**Project Name: Southwood Water and Sewer Master Plan**

**Type of Project: Master Water and Sewer Master Plan for a 3200 acre subdivision in Tallahassee, Florida.**

**Size of Project (dollar amount and scope):** Design fee of \$75,000 to prepare a Master Potable Water Plan and a Master Sewer Plan for submission to the City of Tallahassee Water Utilities for approval

**Specific Project Involvement:** Mr. Bracken provided the water and sewer designs for this project and produced the overall master plans submitted to the City. He also provided coordination of the design with the owner and The City of Tallahassee Water Utilities Department.

Dannie Bracken  
*Utility Designer*

**Project Name: Pump Station 77 Abolition**

**Type of Project: Design and permitting of the sanitary sewer gravity line from Capital Circle SW to Broadmore Estates on Jackson Bluff Road for the abandonment of an existing sewer pump station.**

**Size of Project (dollar amount and scope):** Design fee of \$35,000 to provide construction documents and Leon County Environmental and Florida Department of Transportation (FDOT) Utility permit applications.

**Specific Project Involvement:** Mr. Bracken was project manager in charge of the sanitary sewer design, preparing construction documents, and permit applications for the City of Tallahassee Water Utilities. He also coordinated all work with plans being prepared by FDOT's design engineer for Capital Circle SW.

**Project Name: Southwood**

**Type of Project: 3200 acres subdivision**

**Size of Project (dollar amount and scope):** Design of water, sewer and storm sewer infrastructure for Southwood in Tallahassee, Florida.

**Specific Project Involvement:** Mr. Bracken provided utility design and permitting for the individual units within Southwood Subdivision.

# Pedro L. Trevin, PE, LEED AP, LC

*Senior Electrical Engineer*

*Past Job Assignments: Senior Program Manager, Electrical Engineer*

*Years with PBS&J: 23*

*Years with other Firms: 17*



## Education

B.S., Electrical Engineering,  
University of Miami, 1970

## Registrations/Licenses

Professional Engineer

Florida 15309, 1975  
Alabama 27289-E, 2005  
California 17724, 2005  
Georgia 29486, 2004  
Illinois 62-48755, 1994  
Louisiana 31971, 2005  
Maryland 17985, 1990  
Mississippi 16963, 2005  
Nevada 015235, 2001  
New Mexico 17776, 2006  
North Carolina 027216, 2001  
Pennsylvania 072609, 2005  
Puerto Rico 18958, 2001  
South Carolina 21049, 2001  
Texas 87216, 2000  
Virginia 0402-034543, 2000

National Council of Examiners for  
Engineering and Surveying  
(NCEES), 19536

## Certifications

Certified Uniform Building Code  
Inspector (UBCI), 2001-2008  
TxDOT Precertified, ESN 10710  
National Council of Examiners for  
Engineering and Surveying  
(NCEES), #19536  
Leadership in Energy and  
Environmental Design  
Accredited Professional (LEED  
AP), U.S. Green Building  
Council (USGBC)

Mr. Trevin is a principal and electrical engineer with more than 40 years of experience providing electrical engineering services for office buildings, schools, hospitals, dormitories, parking garages, theaters, and detention facilities. He has also performed electrical engineering for airports, marinas, wastewater treatment plants and pump stations, solid waste facilities, apartment buildings, military facilities, parks and recreational facilities, port terminals, food markets, department/retail stores, shopping centers, rapid transit facilities, toll facilities, movable bridges, building re-certifications, value engineering, due diligence reports (field inspection of existing buildings), parking lot lighting, and roadway lighting. He has frequently served as electrical project manager on assignments from state and local agencies and is knowledgeable about the diverse regulations governing design on such projects. He is also a certified uniform building code inspector (UBCI) for public educational facilities in the state of Florida and Lighting Certified.

Mr. Trevin's project experience includes the following:

**Project Name: TxDOT/Austin Energy, Austin, Texas**

**Type of Project: Overhead primary distribution**

**Size of Project (dollar amount and scope): \$15,000, Design 5.6 miles to replace existing.**

**Specific Project Involvement:** Design of a new overhead 13.2 KV primary power distribution system to replace the existing one for 5.6 wire miles. Portion of the design included placing the primary distribution system underground with pole risers, switching pads and manholes. Design also included pole selection, cable-pulling calculations, pole tension calculations and close coordination with the existing conditions and the Austin Energy power company.

**Project Name: US Coast Guard Key West Sector Base, Florida**

**Type of Project: Site survey and evaluation of existing underground primary distribution**

**Size of Project (dollar amount and scope): \$5,600, Entire Coast Guard base**

**Specific Project Involvement:** Performed an electrical site survey to verify the existing underground primary distribution system. The work involved verifying actual underground routing of the primary and secondary distribution systems; obtaining infrared temperature measurements at each primary and secondary terminal; providing a one-line diagram of the existing primary switching units, unit substations transformers and switchboards; verifying the size and type of each transformer, main breakers and feeder breakers at each unit substation; verifying the location of each electrical manhole and the underground duct banks to indicate the spare conduits; evaluating the condition, capacity, safety and age of each primary and secondary electrical equipment including conductors, oil switches, panels, transformers, shore-tie receptacles and emergency generators; verifying the load connected at each unit substation; developed a list of recommendations on how the electrical system needs to be improved; prepare cost estimate for each recommendations and a priority list.

Pedro L. Trevin, PE, LEED AP, LC  
Senior Electrical Engineer

**Professional Affiliations**

Florida Engineering Society (FES)  
Illuminating Engineering Society of  
North America (IESNA)  
National Fire Protection  
Association (NFPA)  
National Society of Professional  
Engineers (NSPE)

**Project Name: Matlacha Historic District, Lee County, Florida**

**Type of Project: Evaluation report**

**Size of Project (dollar amount and scope): \$660,000; 1.2 miles**

**Specific Project Involvement:** Preparation of a report comparing the cost of construction associated with replacing 1.2 miles of an existing 25KV overhead electrical distribution system with a similar type of system but underground. The underground distribution system had to be designed completely to determine the required equipment and the required feeder sizes.

**Project Name: Dover Air Force Base, Delaware**

**Type of Project: Evaluation report**

**Size of Project (dollar amount and scope): \$100,000** Prepared an evaluation study for the replacement of the existing 12.47 KV overhead primary distribution system to an underground system for the entire base.

**Specific Project Involvement:** The study included site visits to evaluate the existing system, load calculations to determine the present load capacity and the spare capacity of the substation transformers and construction cost estimates divided into separate construction phases. Preliminary plans were prepared that showed a proposed routing of the underground primary distribution system, including location of primary switching units, cross-connect cabinets and pad-mounted transformer.

**Project Name: Dover Air Force Base, Delaware**

**Type of Project: Replacement of overhead primary distribution system to underground**

**Size of Project (dollar amount and scope): \$11,000,000; 27,000 linear feet of underground ductbank**

**Specific Project Involvement:** Prepared the electrical design for the replacement of the existing 12.47 KV overhead primary distribution system to an underground system for the approximately 27,000 linear feet of underground ductbank with 500 kcmil copper conductors, pad mounted transformers, primary switching units and cross-connect sectionalizing cabinets needed to serve the different existing base buildings.

**Project Name: MDTA, Miami, Florida**

**Type of Project: Heavy Rail Transit system**

**Size of Project (dollar amount and scope): \$1,900,000,000; 20.5 miles of 15kV underground duct bank**

**Specific Project Involvement:** Review and coordination of 20.5 miles of 15KV underground duct bank and manhole drawings prepared by Florida Power and Light Company

**Project Name: Miami-Dade Water and Sewer Authority, Miami, Florida**

**Type of Project: Wastewater treatment plant**

**Size of Project (dollar amount and scope): \$51,000; 300 acre; 15KV distribution system**

**Specific Project Involvement:** Design of a dual 15KV underground primary distribution system and the control and instrumentation distribution system for a new 18 MVA wastewater treatment plant located on a 300-acre site.

# Robert L. Farley, RLA, LEED AP

*Certified Arborist*

*Past Job Assignments: Landscape Architect, Master Planner, Construction Administrator*

*Years with PBS&J: 7*

*Years with other Firms: 27*



## Education

M.F.A., Fine Arts, Louisiana State University, 1975

B.L.A., Landscape Architecture, Louisiana State University, 1971

## Continuing Education

UF, Program for Resource Efficient Communities Short Course; Low Impact Development Practices for Florida

Florida Chamber Foundation; Environmental Permitting Summer School

## Registrations

Registered Landscape Architect, Florida LA6666894

## Certifications/Accreditations

NRVMA Certified Professional Roadside Manager

U.S. Green Building Council (USGBC) LEED AP

ISA Certified Arborist

GRHC Accredited Green Roof Professional

FDEP Qualified Stormwater Management Inspector

## Professional Affiliations

American Society of Landscape Architects

Florida Native Plant Society

National Roadside Vegetation Management Association

Florida Exotic Pest Plant Council, Board of Directors

Mr. Farley has served as a senior landscape architect in PBS&J's Tallahassee office for the last seven years. He has more than 30 years of experience in the field of landscape architecture and is currently working on construction administration and landscape design for a diversity of projects. With a career-long specialization in sustainable design of landscapes utilizing indigenous plant materials, Mr. Farley is an accredited professional for the USGBC LEED rating system. He previously worked for The St. Joe Company, involved in the supervision of design and installation of coastal landscape for WaterSound Beach, a large mixed-use development.

Other experience includes design and installation of natural landscapes in the coastal zone for residential and institutional clients, xeriscaping using indigenous species, wetlands management, and mitigation consultation. Mr. Farley previously owned a landscape contracting business specializing in dune reconstruction and habitat restoration in coastal environments, and erosion control of wind-sensitive sites as well as riparian environments and mitigation consultation. He also owned/operated a point-source nursery growing approximately 80,000 gallons of native plants, and taught architectural design and graphics at Louisiana State University. Mr. Farley's representative project experience includes:

**Project Name: Apalachee Regional Park Master Plan**

**Type of Project: Recreation Master Planning**

**Size of Project (dollar amount and scope): \$94,240/ 560 Acre**

**Specific Project Involvement:** Served as landscape architect on the design team to develop conceptual master plans for the 600-acre regional park located on the Solid Waste Management Facility and Landfill in eastern Leon County.

**Project Name: Ponte Vedra Ecosystem Park, St. Johns County, Florida**

**Type of Project: Park Planning and Design**

**Size of Project (dollar amount and scope): \$161,500/ 5 Acre**

**Specific Project Involvement:** Served as landscape architect on the design team to design this children's educational ecosystem landscape park that includes plants native to the region used in a wetland, sand dune, and mesic forest ecosystem.

**Project Name: Egan's Creek Restoration**

**Type of Project: Environmental Mitigation Planning**

**Size of Project (dollar amount and scope): \$50,000/ 48 Acre**

**Specific Project Involvement:** Performed analysis and design of habitat restoration to restore a freshwater wetland system destroyed by salt water intrusion in a public greenway in Fernandina Beach, Florida.

**Project Name: Northwest Florida Water Management District**

**Type of Project: Environmental Restoration Planning**

**Size of Project (dollar amount and scope): \$25,000/ 3 Acre**

**Specific Project Involvement:** Developed spring restoration plans for Gainer Springs Vents G-2 and G-3 on the Econfina Creek in Bay County. Produced concept documents and cost estimates for the aquatic and upland areas restoration plan to correct upland erosion and sedimentation.

## Robert L. Farley

*Certified Arborist*

United States Green Building  
Council Florida Capital Region  
Chapter, Board of Directors  
USGBC Florida/Caribbean  
Regionalization Task force  
International Society of  
Arboriculture  
Green Roofs for Healthy Cities

### Honors and Awards

**WaterColor Pond: 2005**

Ecosystems Restoration 2<sup>nd</sup> Place  
Award, Florida Native Plant  
Society

**Project Name: Timberlake Subdivision Stormwater Design**

**Type of Project: Stormwater Construction Mitigation Planning**

**Size of Project (dollar amount and scope): \$10,000/ 5 Acre**

**Specific Project Involvement:** Performed tree survey and analysis, including identification, measurement and application for a State Champion in Tallahassee, Florida.

**Project Name: Panama City-Bay County International Airport**

**Type of Project: Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$400,000/ 1,400 Acre**

**Specific Project Involvement:** Developed conceptual and design development documents for the landscape construction of the proposed regional airport in Bay County. Sustainable landscape principles utilizing indigenous plants and water conservation measures were incorporated in the design of an airport facility with wildlife damage mitigation constraints. Serves as team member for LEED Silver certification effort.

**Project Name: Florida Department of Transportation (FDOT) District Three**

**Type of Project: Environmental Consultation, Transportation Enhancement Planning and Design**

**Size of Project (dollar amount and scope): \$318,000 annual/16 counties**

**Specific Project Involvement:**

- Developed the wildflower preservation program for state roads in the District, including identification of potential sites, specific BMPs for ecotype management and invasive plant removal, and direction of a successful pilot project along SR65 in Liberty County.
- Developed littoral plans for stormwater treatment ponds in roadway and facilities projects for various sites throughout the District, including SR 85 widening in Niceville, Florida and the Ponce de Leon Operations Center.
- Provides consultation services for maintenance forces on roadside vegetation management issues, including arboricultural evaluations, exotic plant identification and removal, best management practices for forested rights of way, and indigenous plant revegetation for xeric backslopes.
- Conducts plan and permit application review for landscape construction projects, right of way use permits, and outdoor advertisement vegetation management mitigation.

**Project Name: FSU Off Grid Zero Emissions Building**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): Pro bono/ 1 Ac.**

**Specific Project Involvement:** Developed vegetated bioretention stormwater system utilizing indigenous plants for the Sustainable Energy Science and Engineering Center of Florida State University OGZEB project. Serves as team member for LEED Platinum certification effort.

**Project Name: First District Court of Appeals**

**Type of Project: Low Impact Design**

**Size of Project (dollar amount and scope): \$30,000/ 25 Ac.**

**Specific Project Involvement:** Responsible for quality control of landscape design and served as LEED team member for design submittals to achieve LEED Gold certification. Designed tree protection plan for city of Tallahassee Environmental Management Permit.



# B

# Experience with Projects of a Similar Type and Size

Utility Engineering

## Relevant Project Experience

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 role of each

### **Project 1: Leon County Killearn Lakes Units 1 and 2 Municipal Sewer Improvements Design and Construction Administration Services, Leon County, Florida**

#### **Nature of Firm's Responsibility**

*To meet the challenge of installing a new sewer system in a fully developed community with narrow, tree-lined streets, PBS&J chose directional boring to install the sewer mains.*

Killearn Lakes Plantation is a master planned community of approximately 1,400 residences that was developed in the 1970s on the northeast side of Tallahassee in Leon County. Almost immediately after the first new homes were constructed, problems became apparent with the functioning of the on-site septic tanks in Unit I. When it rained, the septic tanks overflowed. Ten years later, the problem had increased to such an extent that the County imposed a temporary moratorium on the construction of homes using septic tanks in Unit I in order to evaluate the problem. In 2004, the County again declared a building moratorium that prohibited any new development for two years and hired PBS&J to perform a study analyzing the septic system failures and to develop a reliable and cost-effective solution.

PBS&J determined that the failures were due to the poor nature of the soils and topography of the area and that the solution would require implementation of a centralized sewer system. After evaluating conventional and alternative sewer systems, PBS&J recommended the installation of low-pressure sewer lines as the most effective and economical approach. To meet the challenge of installing a new sewer system in a fully developed community with narrow, tree-lined streets, PBS&J chose directional boring to install the sewer mains. This construction technique minimized disruption to the residents and damage to the existing utilities and mature trees in the neighborhood; only one tree had to be removed after more than 100,000 feet of sewer pipe had been installed.

PBS&J provided Leon County with design and permitting services for the system, as well as full-time field assistance during construction. To keep residents informed of the project's status and address their questions and concerns in a timely manner, a community outreach program was initiated that included public

meetings, brochures, and a project Web site. Construction of the new municipal-grade sanitary sewer system was completed in less than a year and within 5 percent over the County's original budget and estimate. Project success may be attributed to many factors including a team approach embraced by the County, general contractor, drilling subcontractor, and the homeowners' association. The Killlearn Lakes sewer project was named 2008 Environmental Project of the Year by the American Public Works Association (APWA) Florida Big Bend Branch.

#### **Project Owner's Contact Information**

Tony Park, PE  
Leon County Public Works  
2280 Miccosukee Road, Tallahassee, FL 32308  
850.606.1500

#### **Project Completion Date**

March 2007

*PBS&J prepared an evaluation of WMSI's water system and its operation to assess the overall condition of the system, and identify needed capital improvements to ensure long-term viability and reliability of the system.*

#### **Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Project Manager
- Desiderio M. Maldonado, EI, Project Engineer
- Norman F. Robertson, PE, Project Engineer

#### **Project 2: Water Management Services, Inc. (WMSI) – Water System Evaluation, St. George Island, Florida**

##### **Nature of Firm's Responsibility**

Water Management Services, Inc. (WMSI) is a private water utility serving as primary source drinking water provider for St. George Island. The water system provides service to approximately 1,800 customers. The water supply source consists of four water wells located in mainland in the town of Eastpoint, Florida. Water is transported from the mainland wells to St. George Island via a 12-inch pipeline. Water is processed on St. George Island.

PBS&J prepared an evaluation of the water system and its operation to assess the overall condition of the system, and identify needed capital improvements to ensure long-term viability and reliability of the system. The evaluation of the water system included a detailed review and assessment of the following major system components:

- Raw water transmission main.
- Capacity assessment to identify the limiting capacity component in the system.
- Source water supply evaluation to assess adequacy vulnerability and weakness.
- Assessment of water plant process, overall condition, and review of current operation.
- Structural evaluation of the water plant with determination of a need to perform repairs/remediation or replacement.
- Review electrical systems and controls at the water facility and each individual well to determine adequacy and general condition.

- Water distribution operation, maintenance, and review of water quality parameters.

Technical memoranda were prepared with detailed discussion of findings including recommendations for improvements and estimated probable costs for the recommended improvements.

#### **Project Owner's Contact Information**

Gene Brown, President  
Water Management Services, Inc.  
250 John Knox Road #4, Tallahassee, FL 32303  
850.668.6103

#### **Project Completion Date**

August 2010

#### **Key Personnel Involved and Roles**

- Michael A. Scibelli, PE, Project Manager
- David L. Gauker, Operations Specialist
- Desiderio M. Maldonado, Project Engineer
- David L. Conrad, Structural Engineer

*Upon review of the fix as recommended by the second engineering firm, PBS&J determined that the cost of replacing all the pipe supports and joint gaskets would be substantial, and recommended an alternate approach.*

#### **Project 3: Water Line Repair, City of Carrabelle, Florida**

##### **Nature of Firm's Responsibility**

In July, 2010, the City of Carrabelle contacted PBS&J for assistance with a failed 12-inch Water Line on the Tillie Miller Bridge. The bridge spans the Carrabelle River and is approximately 0.5-mile long. The City had contracted to have the water line installed in 2007 but toward the end of the project, during pressure testing, the water line buckled and began to leak at several joint locations. The contractor abandoned the project with the portion of the line on the bridge left unusable by the City. The City had a second engineering firm prepare a bid document for the repair of the water line when PBS&J was contacted to do an independent review of the problem and the proposed repair.

PBS&J determined that the failure occurred due to a lack of restraint of the pipeline. The problem was magnified when a last minute design change was approved changing the joints from flanged to restrained joint without changing the types of pipeline supports or expansion joints. The resulting lack of support caused the pipe to buckle during pressure testing. Upon review of the fix as recommended by the second engineering firm, PBS&J determined that the cost of replacing all the pipe supports and joint gaskets would be substantial. PBS&J recommended an alternate approach to the City of testing the pipeline and only repairing the joints that were leaking.

The City subsequently contracted with PBS&J and M Inc., of Tallahassee to provide design build services for the repair. All repair work was accomplished utilizing a bridge inspection device to eliminate the need for additional permits and encounters with sea grass in the Carrabelle River. The repair included removing 3 expansion joints and also cutting out any bad pipe joints and replacing those joints with spool pieces and solid sleeves. Mobilization began on a Monday morning and

the pipe was repaired by Wednesday evening although the pipeline would not hold pressure. Two additional days were needed to find and repair below ground leaks in the system and in one week the pipeline was repaired and had passed pressure testing. Disinfection and bacteriological testing was accomplished the following week and all crews were demobilized prior to the end of the second week. The pipeline is currently in use by the City with no apparent issues.

The initial budget for the pipeline evaluation was \$50,000 and the actual fee charged to the City was less than \$14,000. The initial budget for repair was set at \$100,000 and the actual cost of the repair was less than \$73,000. Estimates for the proposed repairs as recommended by the second engineering firm ranged from \$300,000 to over \$500,000. PBS&J has been awarded the Big Bend Branch APWA 2010 Project of the Year Award in the Best Performance category for this project.

#### **Project Owner's Contact Information**

James N. Brown, Water and Sewer Commissioner  
City of Carrabelle  
1001 Gray Avenue, Carrabelle, FL 32322  
850.697.3618

#### **Project Completion Date**

November 2010

#### **Key Personnel Involved and Roles**

- Mike Scibelli, Project Manager and Engineer
- Norm Robertson, Field Engineer
- Desi Maldonado, Designer

### ***Project 4: City of Tallahassee Reuse Master Plan, Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

The City of Tallahassee developed a public access reuse system. To assist the City in their planning and development of this system, PBS&J conducted evaluations and made recommendations for the existing and proposed reclaimed water sources, identified current and potential service areas and reuse sites, and assessed short- and long-term supply and demand of public access reuse. The firm also identified infrastructure improvements which included preliminary sizing of system components for planning and budget estimating purposes, feasibility analysis for providing public access reuse, and reuse system development phasing. In addition, PBS&J assisted the Florida Water Environment Association (FWEA), on behalf of the City, in the statewide design competition as it relates to the Hopkins alternative. PBS&J served as a judge during the University of Florida Graduate seminar, and reviewed the reports submitted by the student teams.

#### **Project Owner's Contact Information**

Ken Will, PE, Program Engineer  
City of Tallahassee Water Resource Engineering  
300 South Adams Street, B-26, Tallahassee, FL 32301  
850.891.6182

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**Project Completion Date**

July 2010

**Key Personnel Involved and Roles**

- Michael Scibelli, PE, Project Manager
- Victor Herrera, PE, Project Engineer
- Nicole Wien, PE, Project Engineer

***Project 5: Southwest Water Company Due Diligence and Replacement Cost Less Depreciation Study, Birmingham, Alabama*****Nature of Firm's Responsibility**

The Southwest Water Company became interested in purchasing the Riverview Wastewater System owned and operated by the City of Birmingham, Alabama. The Southwest Water Company assembled a team of technical, financial, and legal experts to explore the possible acquisition of the Utility once the City of Birmingham expressed their interest in selling it.

The Southwest Water Company retained PBS&J to perform a Due Diligence and Replacement Cost Less Depreciation Study upon the Utility. The purpose of the Due Diligence Study was to uncover any utility conditions, either above- or below-ground, that should materially pose a major technical risk or wastewater regulatory compliance issue to the Southwest Water Company. The Replacement Cost Less Depreciation Study considered the cost to replace the assets today, given current advances in technology and regulatory requirements. PBS&J employed a subcontractor who performed closed circuit television (CCTV) inspection of a portion of the sanitary sewer system.

The result of this project was that on January 31, 2008, the Southwest Water Company successfully acquired the Riverview Wastewater System for \$22,500,000, making it the largest public-to-private utility sale in the United States for at least the past two years.

**Project Owner's Contact Information**

Mr. J. Paul Ozer, PE  
Southwest Water Company  
11302 Tanner Road, Houston, TX 77041  
832.532.7852

**Project Completion Date**

February 2008

**Key Personnel Involved and Roles**

- Craig A. Ferguson, PE, BCEE, Principal-in-Charge
- Robert F. Endress, PE, BCEE, Project Manager
- Marc Walch, Project Engineer
- Karyn Keese, Financial Services

### ***Project 6: Pump Station No. 77 Abolition and Sanitary Sewer Extension, Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

The City of Tallahassee Water Utilities Engineering & Inspection Division is proposing an extension of the existing 15-inch gravity sanitary sewer in Capital Circle SW to the existing 8-inch gravity sewer located in Jackson Bluff Road. By extending this sewer, the City will be able to abandon the existing pump station No. 77 located on the Broadmore Estates Trailer Park. The abandoned Broadmore Estates Trailer Park site will be the location of a stormwater management facility for the Capital Circle SW roadway improvements.

The 15-inch gravity sewer extension will start on the east side of Capital Circle SW and cross Capital Circle inside a 30-inch steel casing to be jack and bored under the roadway. Once on the west side of the roadway, the gravity line will continue north for approximately 600-foot and turn west along the City of Tallahassee power line right of way a distance of 1,300 feet and then turn north inside the Broadmore Estates to Jackson Bluff Road. The sewer will then run west in the center of Jackson Bluff Road for approximately 500-foot and intercept the existing sewer.

PBS&J provided design and permitting services for this project.

#### **Project Owner's Contact Information**

Sal G. Arnaldo, PE, Program Engineer  
City of Tallahassee, Water Utility Engineering Division  
300 S. Adams Street B-26, Tallahassee, FL 32301  
850.891.6182

#### **Project Completion Date**

October 2009

#### **Key Personnel Involved and Roles**

- Dan Bracken, Project Manager and Designer
- Mario Riveccio, Plans Preparation

### ***Project 7: City of Tallahassee Welaunee Utility Master Plan, Tallahassee, Florida***

#### **Nature of Firm's Responsibility**

Welaunee Toe East is a multi-use community planned for development by the City of Tallahassee on 428 acres owned by the City of Tallahassee in northeast Tallahassee and Leon County Florida. PBS&J is designing a potable water and sanitary sewer master plan for Wood and Partners as part of their overall Master Plan for the project, within the constraints of the Stormwater Facilities Master Plan also prepared by PBS&J, and the Planned Unit Development that PBS&J has also assisted Wood and Partners to prepare for the City of Tallahassee.

#### **Project Owner's Contact Information**

Shawn C. Kalbli, ASLA, Associate, Wood+Partners, Inc.  
612 South Copeland Street, Tallahassee, FL 32304  
850.391.0360

**Project Completion Date**

April 2011

**Key Personnel Involved and Roles**

- Mike Scibelli, Project Manager
- Bill Johnson, Engineer
- Dan Bracken and Joe Banta, Design
- Mario Rivieccio, Plans Preparation

***Project 8: Minneola Water Reclamation Facility, City of Minneola, Lake County, Florida*****Nature of Firm's Responsibility**

Complete electrical design of a new 2-mgd plant, expandable to 4 mgd, including high service pumps, biological process and placing the entire facility electrical load on a 1250KW diesel-driven stand-by generator. PBS&J did the design and shop drawing review (all disciplines—civil, architectural, structural, mechanical, HVAC and electrical) for the new plant.

**Project Owner's Contact Information**

Jan McDaniel, City Clerk  
 City of Minneola  
 800 North U.S. Highway 27  
 Minneola, FL 34715  
 352.394.3598 x. 214

**Project Completion Date**

July 2006

**Key Personnel Involved and Roles**

- Raj Singh, Project Manager
- Bill Whidden, Engineer
- Marc Walch, Engineer
- German Gonzalez, Designer

***Project 9: Tram Road Reuse Facility, City of Tallahassee, Florida*****Nature of Firm's Responsibility**

Construction services and engineering support during construction. Project included the installation of pressure relief/sustaining valve with automatic self cleaning strainer and accessories. Strainer installed upstream of reuse filter to reduce algae loadings on filter to improve overall filter efficiency and run times.

**Project Owner's Contact Information**

Donna Nichols, PE, Program Engineer  
 City of Tallahassee  
 300 South Adams Street, Tallahassee, FL 32301  
 850.891.1086

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**Project Completion Date**

August 2008

**Key Personnel Involved and Roles**

- Michael A. Scibelli, Project Manager
- Desiderio M. Maldonado, Field Inspection/Construction Management
- David L. Gauker, Design and Engineering Support

***Project 10: City of Tallahassee Reuse Water Booster Pump Station at CCSE, Tallahassee, Florida*****Nature of Firm's Responsibility**

PBS&J has designed a reuse booster pump station at Well Site # 28 located on Merchants Row near the corner of CCSE for the City of Tallahassee. This station will serve the SE region of the City's current reuse distribution system to allow reuse water service at the higher elevations that cannot be served by the existing pumping capability from the Tram Road Reuse Facility (TRRF). The concept for the reuse booster pump station was based on the Reuse Master Plan developed for the City by PBS&J and on previous hydraulic models run by PBS&J for the City relating to the use of a booster pump station in this area. A detailed specification for the package reuse booster pump station has been provided including modeling results and pump station controls. PBS&J also provided Structural design for the reuse booster pump station's foundation plan and Yard piping supports. PBS&J hired a sub consultant (Joe Lane of NHWL) as the electrical designer for this project. PBS&J provided plans for the connection to the existing reuse system on CCSE and also provided plans for the extension of the reuse line along Merchant's Row for approximately 500 feet to connect to the existing line on Merchant's Row. PBS&J acquired the necessary right of way permits from the FDOT for the City, and prepared all need FDEP permit documents. PBS&J is providing ongoing support with regards to shop drawing review and as needed construction assistance.

**Project Owner's Contact Information**

Charles (Chick) Saverig, PE, Program Engineer  
City of Tallahassee Water Resources, Underground Utilities  
300 S. Adams Street, Tallahassee, FL 32301  
850.891.6163

**Project Completion Date**

- Design and Permitting we're completed in July 2010
- Construction is ongoing, and is anticipated to be completed by May 2011

**Key Personnel Involved and Roles**

- Mike Scibelli, PE, Project Manager and Engineer of Record
- Mario Riveccio, General Design and Plans Preparation
- Brad Dickerson, PE, Specifications and Modeling
- Dan Bracken, Utility Coordination
- David L. Conrad, PE, Structural Engineering



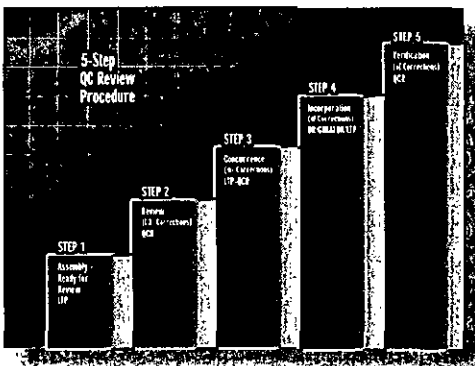
## Current Relevant Projects

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

Please refer to the projects listed in Part B of this proposal, Experience with Projects of Similar Type and Size.

## Quality Assurance Process and Procedures

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.



To ensure product quality, PBS&J implements a "5-Step Quality Control" process for each project. This is a process whereby an equally qualified technical professional that is not involved in the project provides a peer review of the deliverable work product. This helps eliminate errors and omissions and also helps to reduce construction costs by reducing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is our commitment to the concept of total quality management and a commitment by all employees to work to meet the needs of all clients. Additionally, we ask that our subconsultants also implement a peer review of their work. Your project director, Mr. Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated that this strategy works and we intend to continue this approach in the future. However, we are also receptive to new ideas, and we look forward to answering any questions you may have or suggestions you may offer to further improve this strategy to best serve your needs. We understand that there is always room to improve and we are open to your suggestions.

*PBS&J maintains a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients.*

## Basic and Special Resources

5. 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.

PBS&J's network and associated equipment are strengths of our team and proposal. The PBS&J network provides nationwide connectivity via our dedicated virtual private network (VPN) connections to all of our offices, which offers our clients a pool of resources—regardless of location.

PBS&J employees and vendors are equipped with remote VPN access to allow for productivity beyond the confines of our traditional office hours and walls to support any of our products. PBS&J uses innovative technology to secure the networked environment including firewalls, virus scanning, IP-based encryption, communication filtering for spam, and content filtering of illegitimate websites in an effort to maximize productivity and minimize the possibility of data loss.

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PBS&J is aware that accidents and disasters happen, and we maintain a disaster recovery plan based on recommended industry strategies to minimize loss of productivity and provide uninterrupted service to our clients. We employ companies, such as Iron Mountain and AT&T, as redundant data centers and for records and data retention. All levels of management are involved in the recovery process, and the recovery design is reviewed twice a year.

PBS&J also operates and maintains complete hardware and software technology in support of our database and GIS solutions. These resources include AutoCAD Civil 3D, MicroStation, and a full array of ARC/INFO products and compatible hardware. Our staff includes ESRI-certified instructors, Avenue and Visual Basic programmers, hardware and network installation specialists, and analysts familiar with engineering problems and procedures.

PBS&J also provides web development and web hosting services to our clients, including development of basic websites, web-based database sites, map-based sites, and project-specific sites.

PBS&J's team will not require facilities beyond our existing and continually updated systems and software products. A description of our system components follows.

Software Capabilities:

- Microsoft Office 2007
- AutoDesk AutoCAD and Civil 3D 2011
- Microstation 8 and VM (Geopak 2008)
- ERSI ArcView 9.3 and 10.0
- Seagate Crystal reports, version 5.
- Modeling software (SWMM, HEC, Cybernet, XP-SWMM, H20Net version 3.0, WaterCad version 3.0, StormCAD version 3.0, InfoWater)
- Microsoft Internet Explorer 8
- Adobe Suite CS4
- Adobe Acrobat 7.0 Standard and Professional 8.0, 9.0, and 10.0



# Willingness to Meet Schedule and Budget Requirements

## Ability to Meet Schedules and Budgets

*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.*

PBS&J will meet Leon County's schedule and budget requirements. Some of our tools and processes for meeting these goals are described below.

The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints. We will accomplish this through the following efforts:

*The management of this Leon County contract will be based on a simple, but important premise – this project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the County's resources while meeting the County's budget constraints.*

- As early as contract negotiations on this project, our proposed team will confer with the County to develop an understanding of the County objectives and expectations, available data, constraints that may be applicable, and opportunities for cost savings. In this way, we can tailor our services to satisfy the project's exact scope of work.
- Before work begins, we will develop detailed work plans for the major activities, broken down into organized components. The work plan will include schedules, budgets, deliverables, and quality control requirements at all subtask levels.
- We will maintain effective project control through a structured project management plan. Our proposed project director, **Michael A. Scibelli, PE**, will serve as the single point of contact with the County, and will manage and direct the activities of all staff for this project. He will be responsible for ensuring that all work activities proceed as planned and that the budget and schedule requirements for assignments are met. After a schedule is prepared, Mr. Scibelli will receive input and meet with task managers on a weekly basis to review the work in progress. On a monthly basis, budget expenditures will be compared with schedule results to determine if the level of effort and the achieved results are consistent with the elapsed schedule for each assigned project.

Making and keeping schedule commitments is a necessity to PBS&J, not only for retaining valued clients, but also because of the importance in maintaining profitability and planning staff requirements to ensure labor efficiency. For this project, PBS&J will create a project task schedule that breaks down each phase of the work by task and by assignment. This schedule will pinpoint each team member's responsibility within a specific time frame, linking his or her work with that of others working simultaneously on other aspects of the same task, or on related tasks. The schedule will be reviewed and updated at each phase to reflect actual progress and anticipated needs. We will use project scheduling to identify, at a glance, bottlenecks that could delay the overall schedule, redeploy staff to speed the workflow, or exercise other remedies.

PBS&J does not just focus on controlling the budget for work we are contracted to perform; we also believe that it is our responsibility to assist our clients in

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controlling the overall budget for assigned projects. PBS&J advocates frequent updates to our clients of project cost estimates and early communication of any significant changes.

Project and task managers are equipped with tracking and reporting procedures to check project progress, identify hot issues, and define deliverables for submittal to the client, thereby confirming that all elements of each task assignment are fulfilled. Such control functions, as previously mentioned, will be used to assist our team in completing this project within budget and on schedule.

### ***Project Planning and Schedule Control***

PBS&J realizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with the client staff.

It is our goal to establish the required milestones and deadlines early in the project and to deliver our services early.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with Leon County project personnel in order to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or loads.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based on proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thought out in advance to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.) charged to that project. PBS&J utilizes a cost control system called Oracle that provides direct electronic access and interaction with the company's central accounting database. Oracle provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs as percent complete.

# D

## Effect of Firm's Recent, Current and Projected Workload

Utility Engineering

### Current Projects and Completion Dates

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

Projects were listed in Part B of this proposal, Experience With Projects of Similar Type and Size.

### Ability to Absorb Leon County Projects

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

*While our staff totals more than 3,100 in over 80 offices nationwide, PBS&J has more than 1,200 employees who reside in Florida. Our Tallahassee office has more than 130 employees representing every service provided by PBS&J.*

As discussed previously, PBS&J staff is currently active on Leon County projects under the existing continuing supply contract. During the life of this existing contract, some members of our staff have become 40% to 50% dedicated to Leon County. As these assignments are completed or nearing completion, PBS&J will be in a good position to accept new assignments. As PBS&J has already allocated staff resources for this continuing supply contract into its work program, a light workload would result if future Leon County assignments are not issued.

PBS&J is committed to addressing the needs of our clients in a manner that is responsive, budget-conscious, focused, and technically sound. PBS&J makes the commitment that all key personnel proposed for this project team will be dedicated as necessary to meet the needs of Leon County. Careful project management will allow current staff and company workloads to be adjusted within the County's schedule. Our commitment, together with the additional support available throughout the PBS&J network of offices, assures the County of a responsive and fully staffed project team. PBS&J will be fully available and accessible to meet the needs of the County.

# E

# Effect of Project Team Location

Utility Engineering

## Team Location and Community Involvement

*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.*

*Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally.*

PBS&J has selected a project team with extensive resources, specialization, and expertise for this civil engineering contract. We have the resources needed to meet the County's schedule, and we have committed those resources to this contract. The PBS&J project team is supported by more than 1,200 PBS&J professionals across Florida with additional resources from our nationwide network of 80 offices. If at any time during the contract additional personnel are required to fulfill project requirements, PBS&J can draw upon these multidisciplinary resources to assist our team in producing and completing the work.

PBS&J has assembled a comprehensive project team that will provide the County with exceptional services for this continuing services contract. These services will be provided by experienced professionals who are not only proficient in the technical aspects of their work areas, but have worked together on similar projects over several years, and many of whom are considered experts in their respective fields.

Due to PBS&J's past experience with Leon County and our understanding of this contract's significance to the County, the majority of the professionals on our proposed project team work out of PBS&J's office in Tallahassee and live locally. The team is further strengthened by the inclusion of several PBS&J professionals who have extensive local knowledge and experience with County requirements and procedures. PBS&J has the proven leadership and project management skills that will be needed to effectively and efficiently combine the individual efforts of each team member into a single work product.

### **Community Involvement**

PBS&J will provide assistance to Leon County from the firm's Tallahassee office. Michael Scibelli, PE, has been our designated client service manager for Leon County for more than seven years. During this time, he has maintained ongoing communication in person, by phone, and through emails with Leon County Public Works staff to check the status of project schedules, provide deliverables, and ensure the County's overall satisfaction with work performed by PBS&J.



# F

## Approach to the Project

Utility Engineering

### Approach to Accepting and Completing Projects

*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.*

PBS&J commits to meeting the needs of Leon County in a manner that is responsive, focused, and technically sound. All proposed work assignments under this continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach is effective through its creation of a single point of contact for the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination of the project team members.

#### ***Step 1: Kickoff Meeting***

*PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design.*

PBS&J understands that a successful project requires stakeholders and consultants to have a mutual understanding of project goals and constraints prior to beginning design. We will follow the project management approach described in this section to control costs, maintain schedules, and effectively coordinate the various aspects of this project to satisfy the needs of Leon County. PBS&J approaches each work assignment as a unique project. As such, we recommend that a kickoff meeting be held for each assignment, with the key project team members from the County, PBS&J, and other interested parties present to discuss project constraints, goals, and expectations. We understand that Leon County does not have unlimited resources, and therefore, "cookie cutter" solutions are not appropriate. Creative solutions and designs are often necessary to meet budget and client expectations. During the kickoff meeting (Step 1 of the County administrative process), the following items will be discussed:

- Goals, concerns, and special constraints
- Budget and source(s) of funding
- Schedule and critical milestones to be reached
- Possible M/WBE participation
- Creative avenues to explore during design development

#### ***Step 2: Detail Scope and Fee***

PBS&J will prepare a detailed scope, fee, and project schedule that identifies milestones for each of the various tasks and phases. The fee breakdown, detailed by task, will be based on the approved hourly rate schedule.

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### ***Step 3: Notice-to-Proceed***

Before proceeding with design, we propose conducting a second meeting to review preliminary design and project progress with the entire team by:

- Reviewing goals and expectations.
- Critiquing the preliminary design.
- Addressing design alternatives and permit requirements.
- Discussing unique characteristics and issues of the project.
- Establishing a preliminary cost estimate.
- Finalizing the schedule.

The results of this meeting will be a clear understanding, among all parties involved, of the tasks to be performed and the time and cost required to perform them.

### ***Design Plan***

- Task 1.0 Data Collection and Familiarization
- Task 2.0 Kickoff Meeting
- Task 3.1 Conceptual Design
- Task 3.2 Conceptual Analysis
- Task 4.0 Conceptual Design Presentation
- Task 5.0 General Coordination

### ***Quality Control***

PBS&J has an established quality assurance/quality control (QA/QC) program that sets the standards of quality to be applied on all PBS&J projects. By specific corporate policy, every product deliverable prepared by PBS&J must undergo a quality control review to assure that the product was prepared in accordance with accepted standards of our professional practice, the established scope of work and client needs, and our own internal procedures.

The quality control plan developed for each project prior to work initiation identifies procedures for quality control reviews of specific project elements such as data, calculations, documents, reports, and plans. Through this process, we strive to prevent—not correct—rework efforts and provide optimal value to our clients.

At the heart of our QA/QC plan is a defined five-step process for each project element as follows:

- The lead technical professional (LTP) delivers the work product to the quality control reviewer (QCR).
- The QCR performs a review and returns to the LTP.
- The LTP reviews the comments and resolves any differences of opinion with the QCR.
- Agreed-to changes are made to the plans by the LTP.
- The QCR confirms changes are made as consistent with resolution.



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## ***Customer Service is a Priority***

PBS&J has enjoyed serving Leon County, and we are proud of the positive working relationships we have established with the Leon County Public Works staff. Being in the customer service business, we understand the importance of effectively communicating with County staff and among our team members during all phases of the project.

While PBS&J has a strong statewide and national presence, our greatest asset to Leon County is our local staff—over 100 full and part-time employees—most of whom call Leon County home. No other engineering firm can make this claim. As such, we are able to provide Leon County with more professional services from local staff than any other firm. Additionally, PBS&J can provide professional services for 9 of the 11 categories requested by Leon County. We have provided an organization chart in each proposal that identifies our proposed staff for each professional service category. Our breadth of local staff expertise allows us to provide a single-source solution to support the County in a cost-effective and immediately responsive manner.

## ***Primary Contact***

**Michael A. Scibelli, PE**, PBS&J's proposed project director for this contract, has managed numerous large-scale contracts involving multiple disciplines. He is currently serving as your client service manager and project manager for continuing supply contracts, and we propose that he continue in this role for this new contract. Regardless of the assignment, Mr. Scibelli will endeavor to understand the requirements and form a qualified team around the challenges. He will assign a project manager who is best suited for the assignment and as appropriate, that will be Mr. Scibelli. For those instances involving a different project manager, he will remain engaged in the project as a client service manager to ensure project success.

All proposed work assignments under this proposed continuing supply contract will be coordinated through Mr. Scibelli. We believe this simple approach will facilitate optimal coordination of our services by providing the County with a single point of contact for all of the various categories of work. Mr. Scibelli will identify the technical category leader that is best qualified to execute the assigned tasks and provide the necessary oversight and coordination with the project team members.

## ***Extensive Available Resources***

For projects that require professional services beyond the capability of our local staff, such as surveying, geotechnical, and testing services, PBS&J will make every effort to use local Minority/Women Business Enterprises to help meet the intent of Leon County's M/WBE Enterprise Program.

## ***Project Planning and Schedule Control***

PBS&J recognizes the importance of proper scheduling and schedule maintenance. Adherence to work schedules is achieved through proper planning, continuous monitoring, and follow-up action by experienced project personnel, with oversight and coordination by the PBS&J project director. It also includes continuous and open communication with client staff.

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Our goal is to establish required milestones and deadlines early in the project; we then strive to deliver our services ahead of that schedule.

PBS&J adheres to project schedules by strictly following these guidelines:

- Maintaining a computer software-based project schedule for each task and subtask, including deadlines, milestones, deliverable due dates, and regulatory review points.
- Maintaining frequent communication with client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or resource requirements.
- Maintaining continuous interaction between the project director, task managers, and other project team members.

### ***Cost Control***

Successful project cost control at PBS&J is based upon proper planning, monitoring, and follow-up action. During the planning phase, the project or task is thoughtfully considered before work begins to avoid remobilization or loss of time and resources. Cost monitoring begins when the task assignment is authorized. At that time, the project is assigned a unique account number to track all labor and other direct costs (e.g., subconsultants, photocopying, etc.). PBS&J's cost control system, Oracle Financials, provides project reports on a detailed (activity) or summary task level, immediate interactive access to key project information such as subconsultant and labor and materials costs to date, project budget worksheets on display, and an interactive tool that compares budgets to actual costs based on percentage complete.

### ***Peer Review/Quality Assurance Plan***

To ensure product quality, PBS&J implements a five-step quality control process for each project. Through this process, an appropriately qualified technical professional not involved in the project provides a peer review of the deliverable work product. This helps to eliminate errors and omissions and to reduce construction costs by minimizing or eliminating change orders as a result of design errors.

The cornerstone of our comprehensive services is commitment by all employees to the concept of total quality management to meeting individual client needs. Additionally, we ask that our subconsultants also implement a peer review of their work. Your client service manager, Michael A. Scibelli, PE, will ensure that this process is implemented for every deliverable work product.

PBS&J has repeatedly demonstrated the effectiveness of this approach, which we apply for all work under this contract. However, we are also receptive to new ideas, and we look forward to answering any questions you may have and hearing suggestions you may offer to further improve our strategy to best serve your needs.

