

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

PROPOSAL RESPONSE COVER SHEET

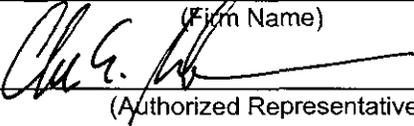
THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

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

Keith M. Roberts, Purchasing Director

John Dailey, Chairman
Leon County Board of County Commissioners

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

BY WilsonMiller Stantec
(Firm Name)

(Authorized Representative)

ADDRESS 1441 Maclay Commerce Drive

CITY, STATE, ZIP Tallahassee, FL 32312

TELEPHONE 850.878.5001

FAX 850.878.5941

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

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

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

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

Section 1. General Information

A. Contractor Information

Our firm name under which our team is applying is:

WilsonMiller Stantec
1441 Maclay Commerce Drive, Suite 101, Tallahassee, FL 32312
Phone: 850.878.5001
Email: Chris.Brockmeier@stantec.com

This will be the same office that will be performing the work.

B. Executive Summary

Stantec, (formerly WilsonMiller) founded in 1954, provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions. We support public and private sector clients in a diverse range of markets, at every stage, from initial concept and financial feasibility to project completion and beyond.

In simple terms, the world of Stantec is the water we drink, the routes we travel, the buildings we visit, the industries in which we work, and the neighborhoods we call home.

Our services are offered through approximately 10,500 employees operating out of more than 160 locations in North America. Stantec is One Team providing Integrated Solutions.

Our proposed Principal for this contract is Chris E. Brockmeier, PE. He is authorized to make authorizations on behalf of WilsonMiller Stantec. His information is:

- ▶ Chris Brockmeier, PE, Principal
1441 Maclay Commerce Drive, Suite 101, Tallahassee, FL 32312
Phone: 850.878.5001
Fax: 850.878.5941

WilsonMiller Stantec certifies that our response is made without prior understanding, agreement or connection with any Corporation, Firm or person submitting a response for the same services and is in all respects fair and without collusion or fraud as it pertains to the Leon County Board of County Commissioners and this particular contract. Furthermore, our Principal-In-Charge, Chris E. Brockmeier, PE, has the authority to bind the principal proponent.

WilsonMiller Stantec has worked with Leon County previously and has an established relationship with many Leon County staff.

Our involvement in the community and experiences both living and working with the county will provide a great working knowledge of local history, culture, codes and regulations. All of these items will be crucial to the success of any projects issued under the Continuing Supply Contract.



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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).

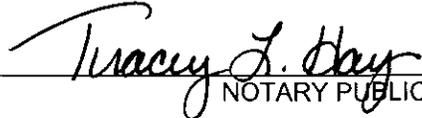
Company Name: WilsonMiller Stantec

Signature:  Title: Principal

STATE OF Florida
COUNTY OF Leon

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

Personally known ✓

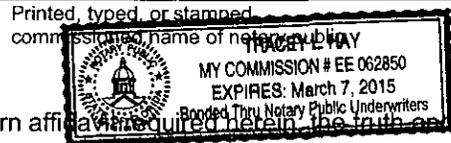

NOTARY PUBLIC

OR Produced identification _____

Notary Public - State of Florida

(Type of identification)

My commission expires: 3/7/2015



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

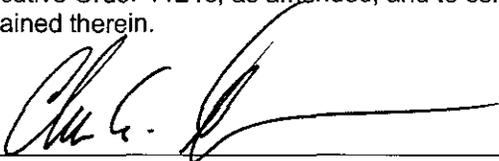
**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

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EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

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

Signed:



Title:

Principal

Firm:

WilsonMiller Stantec

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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 insurance sign-off form, signed by the company Risk Manager or authorized manager with risk authority.

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

YES NO

Commercial General Liability:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A</u> <u>XV</u>
Business Auto:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A</u> <u>XV</u>
Professional Liability:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A</u> <u>XV</u>

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

YES NO

Indicate Best Rating: _____
Indicate Best Financial Classification: XV A

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.

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Required Policy Endorsements and Documentation

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

Deductibles and Self-Insured Retentions

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

Endorsements to insurance policies will be provided as follows:

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

Primary and not contributing coverage-
General Liability & Automobile Liability

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

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

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

Please mark the appropriate box:

Coverage is in place Coverage will be placed, without exception

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

Name Lynna Lytle
Typed or Printed

Date 8 March 2011

Authority)

Signature [Handwritten Signature]

Title Insurance Manager
(Company Risk Manager or Manager with Risk

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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

Principal

Title

WilsonMiller Stantec

Contractor/Firm

1441 Maclay Commerce Drive, Suite 101, Tallahassee, FL 32312

Address

LOCAL VENDOR CERTIFICATION

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

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

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

Business Name: WilsonMiller Stantec	
Current Local Address: 1441 Maclay Commerce Drive, Suite 101 Tallahassee, FL 32312	Phone: 850.878.5001 Fax: 850.878.5941
If the above address has been for less than six months, please provide the prior address. Not Applicable	
Length of time at this address:	
Home Office Address: 10160 - 112 Street Edmonton, AB T5K 2L6	Phone: 780.969.2087 Fax: 780.917.7379

Chris E. Beckmeier

3/17/2011

Signature of Authorized Representative

Date

STATE OF Florida
COUNTY OF Leon

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

By Chris E. Beckmeier, Principal, of Wilson Miller,
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

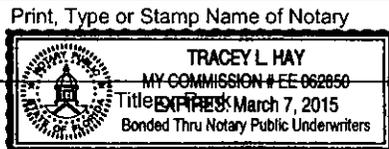
a Florida corporation, on behalf of the corporation. He/she is personally known to me
(State or place of incorporation)

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

Tracey L. Hay
Signature of Notary

Return Completed form with supporting documents to:

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



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: STANTEC
Location: 1441 MACLAY COMMERCE DR #101
Address: TALLAHASSEE FL 32312

Account Number: 56853

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

STANTEC
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.)

2010-11

CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE
LOCAL BUSINESS TAX RECEIPT

2010-11

TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011

DBA: STANTEC
Location: 1441 MACLAY COMMERCE DR SUITE 101
Address: TALLAHASSEE FL 32312

Account Number: 54995

Type Code **Sub Code:** **Type Description:**
650 i Professional - Engineer

STANTEC
CHRIS BROCKMEIER

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.)

2010-11

CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE
LOCAL BUSINESS TAX RECEIPT

2010-11

TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011

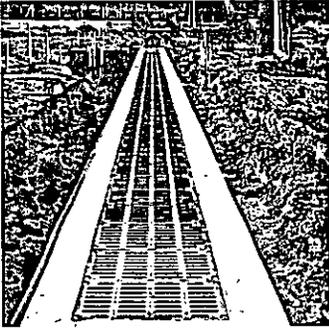
DBA: STANTEC
Location: 1441 MACLAY COMMERCE DR #101
Address: TALLAHASSEE FL 32312

Account Number: 64134

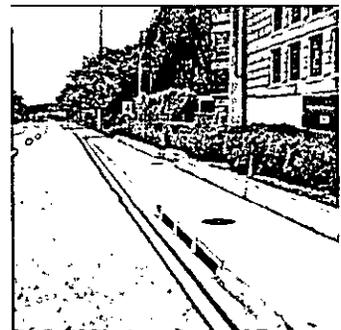
Type Code **Sub Code:** **Type Description:**
650 i Professional - Engineer

STANTEC
CLYDE TED AIKEN

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.)



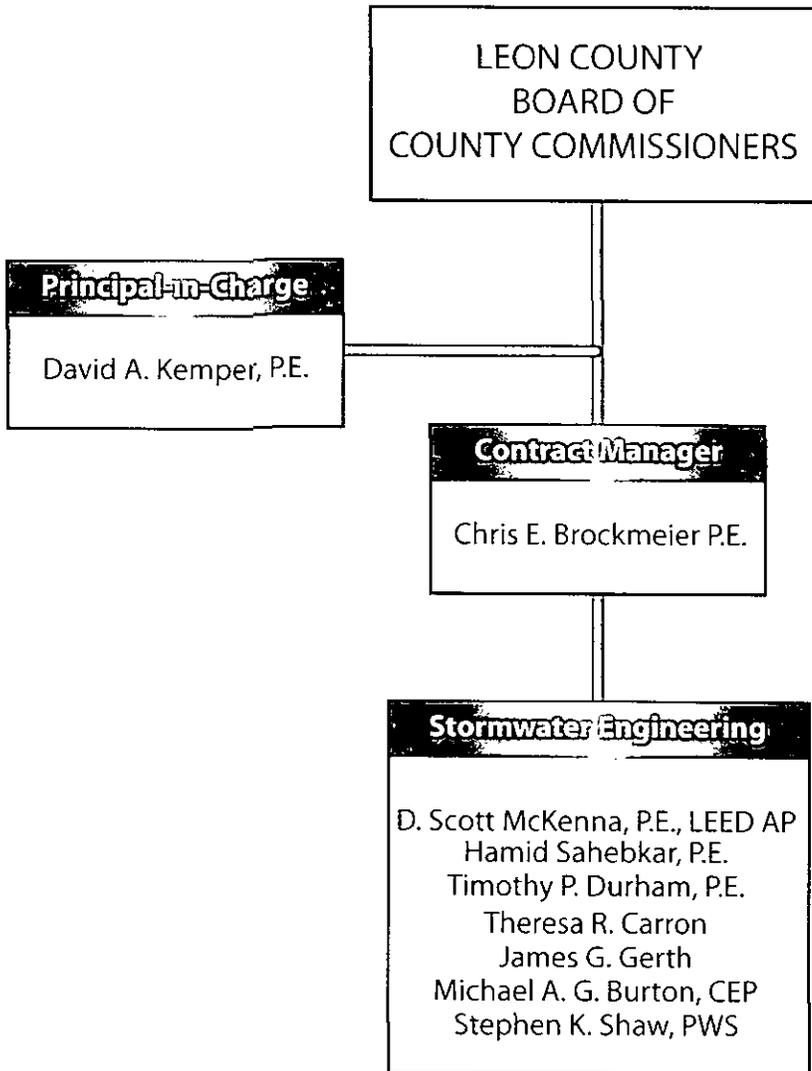
Stormwater Engineering



A. Ability of Professional Personnel

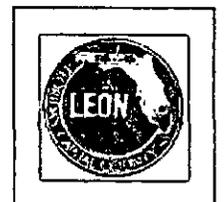
Although we are applying from our Tallahassee office, we will be utilizing staff from various locations throughout Florida to help supplement our team as scope requires. This includes adding staff from the Macon, GA office, as well as Tampa and Sarasota offices.

In all, we have dedicated a pool of up to 10 persons that are "on-call" for any tasks that are assigned under the Stormwater Category. The organizational chart below and the attached resumes showcase those personnel that have been selected to be dedicated to these projects due to their availability and workload.



WilsonMiller's broad range of in-house services makes us unique in the fact that we are able to provide clients with a one-stop-shop on any given project, or as demonstrated with our previous work with Leon County.

With the various discipline resources available in-house, we are able to function as a coherent team to provide miscellaneous, continuing services effectively and seamlessly.



David A. Kemper P.E.

Principal-in-Charge - Stormwater Engineering



Mr. Kemper serves as Principal-in-Charge and/or Project Manager for a variety of public and private sector projects. His professional experience includes civil design and management expertise in the areas of site development, transportation, stormwater management, and utility systems. His site development experience includes management and design of residential, office, commercial, industrial, institutional, recreational, and mixed-use projects.

He has extensive experience in coordinating the efforts of a multi-disciplined team to address all aspects of the site development including planning/zoning, survey, geotechnical, environmental, biology, traffic, and landscape architecture. This includes a particular emphasis on providing the preliminary engineering studies/design during the planning phase of large scale and complex projects. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Missouri-Rolla, Rolla, Missouri, 1979

Master of Science, Engineering Management, University of Missouri-Rolla, Rolla, Missouri, 1984

REGISTRATIONS

Professional Engineer #36271, State of Florida

PROJECT EXPERIENCE

Race Track Road Stormwater Improvements, Hillsborough County, Florida (Principal-in-Charge)
Responsible for overall client interface and project and team management. Hillsborough County engaged Stantec to provide stormwater improvements to Race Track Road located in the western part of the County in the vicinity of the Tampa Bay Downs property. Design entailed flood protection to Race Track Road and improvement of the water quality and natural systems in the area. \$135,000

Hillsborough County School District Continuing Contract, Hillsborough County, Florida (Principal-in-Charge)
Responsible for overall client interface and project and team management. Under this continuing contract, Stantec conducts site planning, engineering, and zoning phases for identified potential school sites. Services include assessing current zoning and land use, surrounding land use considerations, access, wetlands and soils, upland habitat, availability of utility services, stormwater and floodplain, and other related site considerations. \$>200,000

Winthrop Village Traditional Neighborhood Design (TND), Hillsborough County, Florida (Project Manager)
Phase II development including oversight of revision of Phase I drainage plan. A 256-unit, traditional neighborhood design (TND) project in Hillsborough County required a major stormwater analysis to revise drainage for proposed aesthetic water features. Special care was also required at the project boundaries to ensure compatibility with the surrounding developments. Services included surveying, engineering, permitting and construction services. \$595,000

Saint Leo University Reclaimed Water Master Plan, Pasco County, Florida (Principal-in-Charge)
Responsible for overall client interface and project and team management. Saint Leo University, in collaboration with Pasco County and SWFWMD, has proposed to extend a reclaimed water line to meet the required campus irrigation needs. The current source of irrigation is on-site wells. WilsonMiller was retained to provide the necessary engineering services to design the extension of the water line and new pump station. \$100,000

Frost Elementary/Guinta Middle School Site Development, Hillsborough County, Florida (Principal-in-Charge)
Responsible for overall client interface and project and team management. This project consists of the design, permitting, and construction of a 950 student elementary school and 1,550 student middle school, co-located on a 50-acre site. Site improvements included multiple surface parking facilities, traffic circulation to service both facilities, on- and off-site utilities, off-site turn lanes, surface water management, and wetland and flood plain mitigation. \$243,000

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Jennings Middle School LL Off-site Water and Sanitary Sewer Extension, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The School District of Hillsborough County contracted Stantec for engineering design, construction administration, and surveying services in the construction of a water and sewer system for this new middle school. \$350,000

Port Redwing SWIM Habitat Restoration, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided civil engineering services to create and enhance the wetland system on this 134-acre site. Services included hydrologic/hydraulic study of the basin stormwater runoff as it related to the project hydration, and project construction plans preparation. \$26,350

Tampa Port Authority Pendola Point Security Entrance, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided civil engineering services for the construction of a security access gate facility for the Tampa Port Authority. The complex includes a security building, access control, and inspection stations with related parking and truck maneuvering areas, utility services, and stormwater management facilities encompassing approximately five acres. The project was completed in a design/build method for the owner, the Tampa Port Authority. \$50,000

Tampa Port Authority Hooker's Point Security Entrance, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. This project consists of a two-story, 12,500 s.f. security building, access control gates, inspection stations and weigh scales, related parking, utilities, and a stormwater management facility. Improvements included the widening of Maritime Boulevard and Eastport Drive, railroad crossing improvements, off-site drainage improvements, including ditch widening and roadway cross-drain reconstruction. The project was completed in a design/build method for the owner, the Tampa Port Authority. \$380,000

D.G. Farms Feasibility Analysis & Master Planning, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec participated in a feasibility analysis and provided the master plan design for infrastructure improvements and detailed stormwater master planning and floodplain analysis for this 1,385-acre mixed-use proposed development. Development plans call for 4,380 single-family homes, 1,000 multi-family units, 360,000 s.f. of commercial space, and 110,000 s.f. of office space. \$300,000

Big Bear Commercial Park, Hillsborough County, Florida (Principal Engineer)

Stantec provided preliminary engineering, surveying, transportation planning, zoning, construction administration, and final engineering for this 25-acre commercial subdivision that included a master pump station. Stormwater design incorporated water quality treatment, attenuation, and wetland mitigation into an existing wetland. \$655,000

River Bend Community Development District, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The River Bend CDD is a partially completed community with infrastructure that includes open space, stormwater management, landscape and irrigation systems. \$45,000

Rivercrest Community Development District, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec was selected for annual district engineering services to assist the District Manager and Board of Supervisors to properly budget, operate, and maintain CDD infrastructure, which includes stormwater management facilities and recreation facilities. \$84,500

The Preserve at Wilderness Lakes Community Development District, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec has provided a range of engineering services associated with serving as the Community Development District (CDD) District Engineer for this development of 850 lots on +/- 578 acres. The CDD assets include a high end recreation facility, roadways, security gates, stormwater management systems, landscape/hardscape, and irrigation systems. \$88,000

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Contract Manager – Stormwater Engineering



Mr. Brockmeier has both civil and environmental engineering experience in the private and public sectors. His professional skills include project management, preliminary/ conceptual design, permitting, system modeling, final design, cost estimating, bidding, and construction-phase services. He participated in the design and implementation of various stormwater, potable water, sanitary sewer systems and solid waste facilities, which included permitting from federal, state, and local regulatory agencies. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, Florida State University, Tallahassee, Florida, 1995

REGISTRATIONS

Registered Engineer #56859, Florida; Professional Engineer #25147, Alabama

PROFESSIONAL ASSOCIATIONS

Tallahassee Branch, Past President 2005, American Society of Civil Engineers

Membership Committee, Young Member's Committee, Engineer's Week Committee, American Society of Civil Engineers

Education Committee, American Public Works Association, Past Chairman, 1999

AWARDS

2001 Florida Engineering Society, Big Bend Chapter, Young Engineer of the Year

1998 American Society of Civil Engineers, Big Bend Chapter, Young Engineer of the Year

PROJECT EXPERIENCE

Leon County Public Works, Gum Swamp Restoration Project*, Leon County, Florida (Project Manager)

Responsible for the construction administration of a design that involved the installation of several large concrete box culverts and adjacent dike system that provided necessary stormwater retention to re-hydrate the Gum Swamp wetlands. >\$500,000

Leon County Public Works, Lake Munson Restoration Project*, Leon County, Florida (Design Engineer)

Provided civil engineering support for the design, permitting, data collection, stormwater modeling, construction administration, specification, and plans preparation on this \$6 million lake restoration project. >\$500,000

Leon County Public Works, Harbinwood Estates/Lake Charles Flood Mitigation Report*, Leon County, Florida (Project Engineer)

Responsible for the modeling team to address surrounding residents flooding problems that occurred in the Harbinwood Estates/Lake Charles Stormwater Basin. Preliminary design solution included the replacement of a failed dam and the installation of numerous channel and closed conduit improvements within the primary stormwater drainage system. >\$100,000

Leon County Public Works, Killearn Acres Flood Mitigation Report & Stormwater Improvements*, Leon County, Florida (Project Engineer)

Responsible for the modeling and design teams to address surrounding residents flooding problems that occurred in the Upper Lake Lafayette Stormwater Basin. Preliminary design included the installation of large series of box culverts at five roadway crossings and associated channel stabilization within the primary stormwater drainage system. >\$500,000

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Civil Engineering, Principal

City of Panama City, Watson Bayou and Robinson Bayou, Stormwater Mitigation*, Bay County, Florida (Project Engineer)

Responsible for modeling, preliminary design, and cost estimates to address flooding problems. Preliminary design solution included the replacement of failed culverts and the installation of new conduits and stormwater management facilities. >\$500,000

Turkey Point Unit 5 Wetland Mitigation Area, Dade County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. Stantec was responsible for generating a monitoring and reporting protocol; orchestrating heavily quantitative monitoring of mangrove and hardwood wetlands, as well as upland hammocks. All work was in accordance with state and federal wetland permitting requirements. >\$135,000

Gum Swamp Vegetation Evaluation, Leon County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec conducted a study of the Gum Swamp area to determine the hydrologic impacts of the existing water level schedule on the restoration area within the swamp. The firm was contracted by the Leon County Public Works Department to review the existing monitoring and observational data collected by the County in the project area. >\$13,000

Devil's Swamp Mitigation Bank, Bay and Walton Counties, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. Performed the hydrologic analysis and restoration design, including oversight of data collection and development of comprehensive report and design specifications for the permitting process. Responsible for evaluating available data resources, data collection programs, developing and calibrating hydrologic and hydraulic models, evaluating the performance of existing and proposed stormwater systems, and design of remedial measures, in conjunction with ecological field requirements to restore natural hydrology to ditched and drained ecosystems. The 3,050-acre Devil's Swamp Mitigation Bank provides an option to mitigate impacts in freshwater wetland systems in the West Bay to East Walton Regional General Permit and Ecosystems Management Area. >\$200,000

Breakfast Point Mitigation Bank, Bay County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. Performed hydrologic analysis and restoration design including oversight of data collection and development of comprehensive report and design specifications for the permitting process. Responsible for evaluating available data resources, data collection programs, developing and calibrating hydrologic and hydraulic models, evaluating the performance of existing and proposed stormwater systems, and design of remedial measures, in conjunction with ecological field requirements to restore natural hydrology to ditched and drained ecosystems. >\$200,000

NPDES Sampling for Leon County Public Works, Leon County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Leon County Public Works conducted NPDES sampling to meet EPA permit requirements. Stantec was retained to initiate a long-term monitoring plan to collect and analyze surface water at the Ben Stoutamire Boat Landing, Black Creek, Gum Creek, Lake Henrietta, Lake Lamonica, and Lake Munson. >\$100,000

Cedar Point Boat Ramp and Pier, Duval County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. The Cedar Point Boat Ramp and Pier is a public boat ramp to access Horseshoe Creek. Stantec provided the structural design of the facilities' concrete boat ramp and timber pier. >\$22,000

Franklin Correctional Institution Work Camp, Franklin County (Principal-In-Charge)

Responsible for overall client interface and project and team management. This new 17-building work camp required Stantec's design and permitting services for a new utility distribution system (potable/reuse water, sanitary sewer, stormwater, LPG, electrical, communications, and security raceways). Technical Specifications and Opinion of Probable Cost were also provided. \$300,000

* denotes projects completed with other firms

D. Scott McKenna P.E., LEED AP

Civil Engineer and Sustainability Expert - Stormwater Engineering



With civil design expertise for residential, commercial, and industrial projects, Mr. McKenna is responsible for project coordination, management and design. His projects typically entail infrastructure improvements including water, sewer, stormwater, and roadway systems. He coordinates numerous projects with governing regulatory agencies, including the SWFWMD, the DEP, the USACE, and Manatee and Sarasota counties. All dollar values are representative of fee.

EDUCATION

Bachelor of Engineering, Technical University of Nova Scotia, Halifax, Nova Scotia, 1991

Engineering Diploma, University of Prince Edward Island, Charlottetown, Prince Edward Island, 1987

WMU, Training, Fundamentals In Project Management, 2005

Management Development Program, University of South Florida, Tampa, Florida, 2007

REGISTRATIONS

LEED Accredited Professional, U.S. Green Building Council

Registered Engineer #51435, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Florida Engineering Society

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

Palmer Ranch Restoration Areas Stormwater Master Plan, Sarasota County, Florida (Engineer)

Responsible for civil project design, permitting, and project management support. The Palmer Ranch Restoration Areas C, G and H project included the restoration/enhancement of approximately three acres of existing wetlands, the creation of approximately nine acres of wetland, and the enhancement of approximately 1.8 miles of the existing South Creek ditch. \$230,000

South Creek Floodplain Review & Analysis, Sarasota County, Florida (Engineer)

Responsible for civil project design and project management support. This project entailed the analysis of Sarasota County's master basin study of South Creek for the purpose of providing relief to the client's land located in a designated floodplain. Our analysis and communication with the County resulted in a considerable amount of land being removed from floodplain designation. \$26,700

Lakewood Ranch Corporate Park Unit 7, Sarasota County, Florida (Project Manager)

Oversaw the design and permitting of a 21.23 acre, three-lot commercial subdivision located in Lakewood Ranch in Sarasota County. Coordinated the design of stormwater facilities, site and utilities. Responsible for permitting through Sarasota County and the Southwest Florida Water Management District. \$11,000

Southeast Spine Center, Sarasota County, Florida (Project Manager)

Responsible for overseeing the design and permitting of a 102,739 sf office building on a 10.19 acre site located in Lakewood Ranch Corporate Park. Oversaw the design of stormwater facilities, site and utilities. Responsible for permitting through Sarasota County and the Southwest Florida Water Management District. \$100,000

Out-of-Door Academy Art Center Building Addition, Sarasota County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec was retained to provide services for the renovation and expansion for the Out-of-Door Academy's upper campus located in Lakewood Ranch. The project includes the addition of a 25,000 s.f. arts center building. Stantec is responsible for layout/design, construction plans, stormwater design, and permitting through Sarasota County and the SWFWMD. \$45,000

* denotes projects completed with other firms

D. Scott McKenna P.E., LEED AP

Senior Project Manager, Civil Engineering

Plymouth Harbor Assisted Care Living Facility, Sarasota County, Florida (Engineer)

Responsible for civil project design, permitting, and project management support. This project entailed the parking lot expansion and resurfacing for an ACLF including stormwater design, utility coordination, and construction phase services for the 16-acre site. Permitting was achieved through the City of Sarasota, SFWMD and FDOT. \$45,000

Sarasota Doctors Hospital, Sarasota County, Florida (Engineer)

Responsible for design and permitting. This project consisted of stormwater design, flood plain compensation, utility design, site design, construction administration services, and certifications for a 20-acre hospital site. \$15,500

Sarasota Memorial Hospital Infrastructure Master Plan, Sarasota County, Florida (Engineer)

Responsible for stormwater improvement design. Stantec was contracted to design an infrastructure master plan, parking improvements, selective streetscaping, stormwater master plan, drainage improvements, and feasibility investigations meeting the interests of the hospital, City, local merchants, and residents for the 30-acre hospital site.

Heritage Harbour, Manatee County, Florida (Engineer)

Responsible for civil project design for stormwater, utility and site design, and permitting for Phase I of Heritage Sound, Stoneybrook, and Lighthouse Cove subdivisions of the master planned community. The Heritage Harbour (a.k.a. Heritage Sound) project is a DRI in Manatee County proposed at build out to include 5,000 single-family units, retail facilities, offices, a marina, a hotel, and golf courses. The 1,200-acre site includes an 18-hole golf course, master stormwater management system, and 22,500 l.f. of roadway. Stantec provided DRI entitlement services, site planning, stormwater design, SWFWMD and Manatee County permitting, and construction phase services documents. \$3.5 million

Arielle at Palmer Ranch, Sarasota County, Florida (Project Manager/Engineer-of-Record)

Responsible for the design and permitting of a 192-unit multi-family complex on a 38.5 acre, 49 lot single family subdivision located on Palmer Ranch in Sarasota. Oversaw stormwater facilities, site and utilities design as well as permitting through Sarasota County and the Southwest Florida Water Management District. \$195,000

Waterfront at Main Street, Manatee County, Florida (Project Manager/Engineer-of-Record)

Responsible for the design and permitting of 3.43 acre, 56-unit multi-family condominium project located in Lakewood Ranch in Manatee County. Oversaw stormwater facilities, site and utilities design. Also responsible for permitting through Manatee County and the Southwest Florida Water Management District. \$155,000

Fairmont Residential Community, Sarasota County, Florida (Project Manager and Engineer-of-Record)

Responsible for oversight of stormwater facilities, site, and utilities design, and project permitting. Site infrastructure design services were provided for this 38-acre, single-family development encompassing 211 units and an amenity center. Services included stormwater facilities, site, and utilities design and permitting through Sarasota County and SWFWMD. \$265,000

Lakewood Ranch 4-Laning, Manatee County, Florida (Project Engineer)

Responsible for the widening of a 4,700 linear foot section of Lakewood Ranch Boulevard from two lanes to four. Duties included site investigation, layout, preliminary stormwater design, construction plans, final stormwater design and permitting through Manatee County and Southwest Florida Water Management District. \$522,000

Out-of-Door Academy Athletic Fields, Sarasota County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec was responsible for the survey, layout/design, construction plans, stormwater design, permitting, and ecological investigations for the renovation and expansion of the Out-of-Door Academy's upper campus athletic fields, located in Lakewood Ranch. The project includes the addition of a baseball field, eight tennis courts, softball field, football/soccer field, and a 400-meter track. \$183,000

* denotes projects completed with other firms

Hamid Sahebkar P.E.

Civil Engineer - Stormwater Engineering



Mr. Sahebkar offers more than 27 years of professional engineering experience throughout Florida and the southeastern United States. His expertise includes infrastructure issues relating to transportation, utilities, and stormwater management systems. Mr. Sahebkar possesses a comprehensive knowledge of roadway and land development engineering, including environmental permitting, impacts, and regulations. He offers an in-depth knowledge of the standards of the local, county, and state, regulatory agencies, including the FDOT, SWFWMD, ACOE, FDOH, and FDEP permitting. All dollar values are representative of fee.

EDUCATION

Master of Science, Civil Engineering - Geotechnical Specialty, University of Arkansas, Fayetteville, Arkansas, 1983

Bachelor of Science, Civil Engineering, University of Arkansas, Fayetteville, Arkansas, 1980

REGISTRATIONS

Professional Engineer #39991, Florida

PROFESSIONAL ASSOCIATIONS

FES Leadership Institute Graduate, Florida Institute of Consulting Engineers

Member, National Society of Professional Engineers

Member, Florida Engineering Society

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

Glazer Children's Museum Civil Engineering, Hillsborough County, Florida (Project Manager)
Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided civil/site engineering for the new 53,000 s.f. children's museum building located at the Curtis Hixon Water Front Park in downtown Tampa. The project was designed to integrate the new Tampa Museum, Curtis Hixon Water Front Park and the existing parking garage, requiring an underground stormwater treatment facility. \$65,000

Salvador Dali Museum, Pinellas County, Florida (Project Manager)

Responsible for the civil/site engineering and permitting services of the new 60,000 square foot Salvador Dali Museum in the in the City of St. Petersburg. The design, befitting the spirit of Salvador Dali, is located adjacent to Albert Whitted Airport and required FAA permitting and coordination of the relocation of 600 linear feet of 60-inch stormwater pipe. \$130,000

St. Petersburg Museum of Fine Art, Pinellas County, Florida (Project Manager)

Provided civil/site engineering and permitting services of the addition to the St. Petersburg Museum of Fine Art. Building expansion eliminates existing on-site parking that is replaced by design of on-street parking. An underground stormwater facility was designed to provide the required water quality treatment. \$150,000

The Tampa Museum of Art, Hillsborough County, Florida (Project Director)

Provided civil/site design, permitting, and preparation of the construction documents of the Museum of Art designed by the world-renowned firm of Stanley Saitowitz / Natoma Architects, Inc. The design is the centerpiece of a proposed downtown cultural arts district adjacent to two city parks and the Hillsborough River. \$350,000

City of Safety Harbor New Library*, Pinellas County, Florida (Project Engineer)

Civil Engineer for this library located on heavily wooded site in an urban area. Project required innovative stormwater and pavement design to minimize impacts to the on site trees at the same time providing the utilities, drainage, and parking infrastructures required for the project. \$120,000

* denotes projects completed with other firms

Hamid Sahebkar P.E.

Senior Project Manager, Civil Engineering

Intelident Tampa Cuba Cigar Factory Office Conversion, Hillsborough County, Florida (Project Manager)

Responsible for the site development of renovation of old cigar factory into a 'Class A' office space. The proposed improvements require addition surface parking on adjacent properties. Design includes two separate subsurface chamber systems for stormwater treatment. \$165,000

Chancey Design Partnership, Hillsborough County, Florida (Project Manager)

Responsible for providing the site development of a 0.16-acre property located in Historic Ybor District of the City of Tampa. The project consists of a four-story professional office building (18,103 s.f. total), urban design with zero building setbacks. Design included proposed entrance on 7th Avenue, paving existing alley for egress to Nuccio Parkway, and subsurface chamber system for stormwater treatment. This project received LEED Certification through the U.S. Green Building Council. \$50,000

Children's Board of Hillsborough County Stormwater Design & Environmental Resource Permitting, Hillsborough County, Florida (Project Manager)

Stantec was selected by the owner to design the stormwater management system and apply for the State Environmental Resource Permit (ERP) for a 3.36-acre commercial redevelopment project that was previously a residential subdivision. >\$10,000

Spoto High School, Hillsborough County, Florida (Project Manager)

Provided engineering services for this high school built on a 52.2-acre property located in Hillsborough County, Florida. The school consists of seven buildings with sports fields/courts, concession stand, driver's education area, parking etc., and associated water and wastewater services as well as a stormwater management system. The school is designed to serve approximately 2,375 students and 150 staff. >\$280,000

Port Redwing Water Services Study (Port of Tampa), Hillsborough County, Florida (Project Manager)

Provided a detailed study of the extension of a water main and wastewater force main with lift station to serve the proposed future Port of Tampa container facility. The study included water line hydraulic analysis, force main and lift station analysis, and an opinion of probable construction cost. \$25,000

Sam Rampello Downtown Partnership School (K-8), Hillsborough County, Florida (Project Manager)

Responsible for the civil and transportation engineering, permitting and construction support services for the addition of a design/build parking garage and the Washington Street drop-off lane for this 1,300-student, no bus service, (K-8) urban school. A stormwater treatment vault located under the parking garage was designed and permitted. The project also included coordination and negotiations with the City of Tampa, Transportation Department and the neighborhood representatives to present roadway improvements to the City Council for approval. \$130,000

Saint Leo University Campus Master Plan, Pasco County, Florida (Project Manager)

Responsible for master planning services provided for this 170-acre site, including the development of plans for potable water distribution, sanitary sewer collection, surface water management systems, and transportation improvements. \$125,000

Hillsborough County School District Continuing Contract, Hillsborough County, Florida (Lead Engineer)

Responsible for civil project design, permitting, and project management support. Under this continuing contract, Stantec conducts site planning, engineering, and zoning phases for identified potential school sites. Services include assessing current zoning and land use, surrounding land use considerations, access, wetlands and soils, upland habitat, availability of utility services, stormwater and floodplain, and other related site considerations. >\$200,000

Channel District Strategic Action Plan, Hillsborough County, Florida (Project Manager)

Provided the infrastructure master planning of the action plan of this 120-acre urban redevelopment area of downtown Tampa. The area has been evolving from a warehouse district and maritime related services to a mix of high-end multi-family residential high-rises, commercial, retail, and entertainment developments as well as the cruise ship terminals and related developments of the Tampa Port Authority. The master plan will address all above and below ground utilities, drainage system, transportation improvements, and urban design guidelines. \$300,000

* denotes projects completed with other firms

Theresa R. Carron

Engineering Designer - Stormwater Engineering



Ms. Carron provides valuable technical support for civil engineering, survey, environmental, and GIS projects throughout Florida. She is responsible for managing various projects for the Florida Department of Environmental Protection (FDEP). Her background includes technical writing, marketing, presentations, fiscal management, coordination, and scheduling. All dollar values are representative of fee.

EDUCATION

Bachelor of Arts, Business Administration, Flagler College, Saint Augustine, Florida, 2002

Professional Education Center, Project Management for Engineers, US, 2006

PROFESSIONAL ASSOCIATIONS

Member, American Public Works Association

AWARDS

2002 Departmental Award for The School of Business, Flagler College

PROJECT EXPERIENCE

Facilities & Infrastructure Development

Horn Island Housing Triplex and Utilities Replacement, Jackson County, Mississippi (Task Manager)

Responsible for oversight of preliminary survey activities. Provided design support and plans production. Acted as a liaison to National Parks Service, U.S. Department of the Interior's Denver Service Center for digital submittal compliance. Produced and transmitted submittals for client comment. This design/build contract entails the replacement of National Parks Service Ranger residences and corresponding utilities on Horn Island that were destroyed by Hurricane Katrina. As part of the Gulf Islands National Seashore, Horn Island is located approximately 12 miles off the coast of Ocean Springs, Mississippi and is accessible only by boat. \$137,000

Walton County Maintenance Facility, Walton County, Florida (Task Manager)

Responsible for oversight of specific project activities. Civil engineering design, surveying and associated permitting services for a 9,000 s.f. maintenance facility was provided for the County. \$106,000

West Ship Island Buildings and Utility Replacement, West Ship Island, Mississippi (Task Manager)

Responsible for oversight of preliminary survey activities. Provided design support and plans production. Acted as liaison to the National Parks Service, U.S. Department of Interior's Denver Service Center for digital submittal compliance. Produced and transmitted submittals for client comment. This design/build contract entails the replacement of NPS residences, ranger stations, first aid station, bunkhouse, public-access restroom facilities, concessions and corresponding utilities (water, sewer, fuel, electric, solar) on West Ship Island that were destroyed by Hurricane Katrina. \$232,000

Hogan Island Quarry, Collier County, Florida (CAD Designer)

Responsible for generating AutoCAD drawings, project plans, permit drawings, and assisting with project design. Stantec provided ecological studies, environmental permitting, reclamation and mitigation design, and environmental impact assessments for a proposed 900+ acre sand and limestone mine located in an environmentally sensitive portion of rural Collier County. The project also included off-site lands used for mitigating of the project wetland impacts and Florida panther habitats impacts. \$230,000

Breakfast Point Mitigation Bank, Bay County, Florida (CAD Designer)

Responsible for plans production and assisted in the production of hydrologic reports and exhibit generation. The Breakfast Point Mitigation Bank (BPMB), which comprises 4,637 acres of wetlands and uplands primarily in silviculture on the Breakfast Point Peninsula, north of Panama City Beach, provides an option to mitigate impacts in freshwater and estuarine wetland systems in the West Bay to East Walton Regional General Permit and Ecosystem Management Area. Stantec successfully prepared the application documents to obtain the mitigation bank permitting, including developing the mitigation/restoration plan to restore wetland functions and habitats. Upon completion, the area will connect to several thousand acres of conservation lands immediately adjacent to West Bay. \$183,000

* denotes projects completed with other firms

Theresa R. Carron

Project Manager

Devil's Swamp Mitigation Bank, Bay and Walton Counties, Florida (CAD Designer)

Responsible for plans production. Also assisted in the production of the hydrologic reports and exhibit generation. The 3,050-acre Devil's Swamp Mitigation Bank provides an option to mitigate impacts in freshwater wetland systems in the West Bay to East Walton Regional General Permit and Ecosystems Management Area. Upon completion, the area will connect to several thousand acres of existing conservation lands owned and managed by the NFWFMD on the Choctawhatchee River and Choctawhatchee Bay. Stantec successfully prepared the application documents to obtain the mitigation bank permitting, including developing the mitigation/restoration plan to restore wetland functions and habitats. \$183,500

Apalachee Parkway Regional Park, Leon County, Florida (CAD Designer)

Responsible for plans production. Provided CAD-based imagery and GIS data to facilitate conceptual planning. Produced irrigation plan sets. Stantec provided the preliminary and final design of an irrigation system for two existing multi-purpose ball fields and a linear landscape island along Apalachee Parkway. \$ 5,000

Blue Mountain Beach Access and Restroom Facility, Walton County, Florida (Task Manager)

Responsible for site design and plans production. 2004's Hurricane Ivan produced a storm surge that destroyed several of Walton County's beachfront facilities. Stantec provided the design of a new parking lot, wooden rail sidewalk, underground stormwater treatment vault system, showering facility, and a deep foundation restroom building. \$67,000

Lafayette Blue Springs State Park, Lafayette County, Florida (Project Manager)

Responsible for overall project design and coordination utilizing numerous professionals, subconsultants, and working with permitting/regulatory agencies. For Florida's 159th State Park, Stantec provided environmental and civil permitting, an environmental assessment, survey infrastructure design, roadway and parking design, cabin placement, sanitary sewer systems via on site wastewater treatment and disposal, stormwater system design, and engineered a system for providing potable well water. Limited construction inspection services were additionally provided. \$380,000

Northeast Community Park, Leon County, Florida (Task Manager)

Responsible for utilizing GIS data and aerial imagery for site design and development. Produced various conceptual plans for park amenities. Stantec provided engineering and site design for 12-acre community park. The park design has two Little League fields, one multi-purpose field, two tennis courts, a basketball court, restrooms, and a concession plaza with the supporting potable water and sanitary sewer utilities. The boardwalk system leads to a pond overlook. \$8,000

Suwannee River Wilderness Trail, Leon County, Florida (Project Manager)

Responsible for designing numerous campsites that enhanced the natural beauty of the surroundings while preserving the environmental resources of the area. Performed environmental and civil permitting, which required working closely with federal, state, and local agencies to meet demanding regulatory and permitting requirements, many reflecting the high standards of environmental stewardship to which the engineers and owners were held. Provided site design, and engineering services, including potable well water systems, sanitary septic on-site treatment and disposal systems, stormwater design, minimal grading, numerous trail and boardwalk designs, and various river access designs. The Suwannee River Wilderness Trail is a 207-mile river trail system that begins at the Florida-Georgia border and continues to the Gulf of Mexico. Campsites have been built on both sides of the river in many counties, including Hamilton County (Holton Creek), Suwannee County (Woods Ferry, Peacock Slough), and Lafayette County (Dowling Park, Lafayette Blue Springs, and Adams Tract). \$118,000

Bald Point State Park, Franklin County, Florida (Task Manager)

Responsible for utility design and permitting. Contracted by the FDEP Division of Recreation and Parks, Stantec provided multiple services for more than four miles of new, two-lane rural park roadway; 100-foot-long vehicular/pedestrian bridge replacement; new 250-foot-long vehicular/pedestrian bridge; two new park campgrounds/ day-use area, floating dock, new park buildings (cabins, restrooms, storage, ranger stations); stormwater management facilities; and infrastructure components (potable water, septic systems; electrical utilities). In addition to engineering design and surveying, environmental services included planning, wetland delineations, listed species surveys, habitat mapping, wetland mitigation design, and permitting (FDEP, USACE, NFWFMD). \$650,000

* denotes projects completed with other firms

James G. Gerth

Civil Engineering Designer - Stormwater Engineering



Mr. Gerth offers decades of civil design expertise complimented by a wealth of information technology knowledge. He has worked on a vast array of projects throughout the United States and abroad, including process plant design, network design and installation, pedestrian access, and commercial facilities. He is proficient in a wide range of AutoDesk products and programming tools and has been responsible for designing, deploying, and administering technical software to CAD teams nationwide. All dollar values are representative of fee.

EDUCATION

Associate of Science Equivalent, Southeast Area VoTech, Architectural & Civil Drafting Technology, Sioux Falls, South Dakota, 1984

PROFESSIONAL ASSOCIATIONS

Member, Autodesk User Group International

PROJECT EXPERIENCE

Capital City Bank Sites, Multiple Sites, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec is responsible for the site civil engineering services for several new branch locations being designed by EMO Architects. These services include the preparation of final construction documents for the site improvements: potable water, sanitary sewer, drainage and stormwater management, paving, grading, landscape, and irrigation design. \$200,000

Franklin Correctional Institution Work Camp, Franklin County (CAD Designer)

Responsible for assisting with project technical design and document production. This new 17-building work camp required Stantec's design and permitting services for a new utility distribution system (potable/reuse water, sanitary sewer, stormwater, LPG, electrical, communications, and security raceways). Technical Specifications and Opinion of Probable Cost were also provided. \$300,000

Chipola River, Jackson County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided multiple services for this 439-acre rural North Florida subdivision, including roadway, stormwater management, and private potable water supply system design. \$600,000

Walton County Maintenance Facility, Walton County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Civil engineering design, surveying and associated permitting services for a 9,000 s.f. maintenance facility was provided for a new maintenance facility for the County. \$100,000

Cape Coral Gravity Sewer Redesign*, Lee County, Florida (Applications Programmer)

Responsible for developing custom civil design software for the redesign of the gravity sewer system for the City of Cape Coral. \$N/A

East River Basin District, Dublin, Ireland (IT Specialist)

Responsible for the design and installation of networking and wide area collaborative software to enable client interaction and inter-organizational communications for development of a decision support application to facilitate watershed management. Managed eRoom document sharing and communications software. \$N/A

Hogan Island Quarry Ecological, Surveying & Permitting Services, Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided ecological studies, environmental permitting, reclamation and mitigation design, and environmental impact assessments for a proposed 900+ acre sand and limestone mine located in an environmentally sensitive portion of rural Collier County. The project also included off-site lands used for mitigating of the project wetland impacts and Florida panther habitats impacts. \$230,000

Lindsey Island, Taylor County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. This amendment to the Taylor County Comprehensive Plan allows for a 10-acre residential subdivision and located within 92-acres of coastal property. Jurisdictional wetlands were addressed and a preliminary mitigation assessment was prepared. \$200,000

* denotes projects completed with other firms

Michael A. G. Burton CEP

Principal of Environmental Management - Stormwater Engineering



Mr. Burton, a noted leader in the fields of natural resource regulatory policy and habitat restoration, offers extensive knowledge and market expertise in the environmental consulting arena. He has dedicated his career to assisting clients in achieving their project objectives while protecting and restoring natural resources. His experience includes comprehensive project feasibility analyses requiring a thorough study of ecological constraints, including the identification of wetlands, protected species and habitats, and their potential project impacts. He has a successful track record of approved large complex projects, such as Developments of Regional Impact and other controversial works including marinas, transportation facilities, landfill and mining operations; these results were achieved by finding superior ecological solutions that match current community needs. All dollar values are representative of fee.

EDUCATION

Bachelor of Arts, Concentration in Environmental Studies,
New College of the University of South Florida, Tampa,
Florida, 1990

Master of Business Administration, Finance,
Management Info Systems, and International Business,
University of South Florida, Tampa, Florida, 2003

Florida Fish & Wildlife Conservation Commission,
Applied Management of Conservation Lands in Florida,
Florida, 2007

REGISTRATIONS

Environmental Professional, The Academy of Board
Certified Environmental Professionals

Transportation Worker Identification Credential, U.S.
Department of Homeland Security

PROFESSIONAL ASSOCIATIONS

Environmental Advisory Committee, Manatee Chamber
of Commerce

Member, Florida Chapter and National, Association of
Environmental Professionals

Member, Tampa Bay Chapter, Association of
Environmental Professionals

PROJECT EXPERIENCE

Lake Placid Groves Plan Amendment/DRI/MPUD
Zoning, Highlands County, Florida (Project Advisor)
*Responsible for providing site ecological expertise. The
development of this unique property North of the Town of Lake
Placid in Highlands county with both US 27 and SR 17 dividing
several areas has defining natural elements, a varied
topography, adjacent natural preserve with bear habitat, and
the three beautiful Lake Nellies. These elements are instrumental
in the creation of a new village community that is health
conscious in design to maintain walkability, provide job
creation opportunities and design for aging in place. \$1 million*

School District of Manatee County, Manatee County,
Florida (Project Consultant)
*Provided services for ecological and natural resource
constraints/project feasibility, planning, permitting, and
compliance for over 30 project sites throughout the District.
Projects included elementary, middle and high schools; special
needs facilities, technical institutes, and maintenance and
administrative facilities. Projects included expert witness
testimony at multiple public hearings for facility siting, plan
approval, and many had complex permitting requirements,
including listed wildlife species management planning and
permitting. Also developed and implemented a comprehensive
environmental permit compliance program for facilities
maintenance division. >\$200,000*

* denotes projects completed with other firms

Michael A. G. Burton CEP

Principal, Environmental Management

River Club Park of Commerce Environmental Regulatory Approvals, Manatee County, Florida (Project Director)

Responsible for oversight of the project's environmental regulatory approvals. Stantec assisted with environmental regulatory approvals for a commercial project with more than 300,000 s.f. of retail space. Project requirements included a 6.1-acre forested wetland impact, mitigated by the preservation and management of 192 acres of critical wildlife habitat at the confluence of the Manatee River and Gamble Creek. Approval required a Notice of Proposed Change (NOPC) to a Development of Regional Impact (DRI), site plan approvals, environmental resource permit, federal dredge and fill permit, and gopher tortoise relocation permit. \$170,000

Long Swamp Restoration, Sarasota County, Florida (Project Director)

Responsible for leading multidisciplinary project team. Stantec designed, planned, and implemented the restoration of the 406-acre Long Swamp Ecosystem as an on-site mitigation area for development projects on Schroeder-Manatee Ranch. \$62,000

Vicker's Swamp Habitat Restoration, Pasco County, Florida (Project Director)

Responsible for leading project team. Our Ecosystem Restoration team provided a turnkey solution to PCL Civil Constructors, the FDOT's general contractor, for the Bruce S. Downs Interstate 75 flyover project. Vicker's Swamp habitat restoration required nuisance exotic control and removal, planting, and site improvements including fencing, trails, and signage. The site consisted of pine flatwoods restoration, floodplain compensation, stormwater ponds, lake littorals, hardwood and cypress swamp. \$340,000

Duette Preserve Conservation Lands Restoration, Manatee County, Florida (Project Director)

Responsible for oversight of ecological and environmental services. This conservation lands project entailed sandhill and scrub restoration on 3,700 acres of sand pine scrub in the 22,000 acre Duette Preserve. Stantec provided a plan for the reduction of overgrown canopy in degraded habitats to 36-inches in preparation for prescriptive burning. Our field teams utilized chainsaws, polesaws, and utility vehicles to access the site and reduce canopy closure. \$150,000

Terra Ceia Aquatic Preserve Habitat Restoration, Manatee County, Florida (Principal-in-Charge)

Responsible for oversight of client interface and project and team management. Stantec is providing implementation services for the Phase 5 Upland Enhancement and Restoration at the Terra Ceia Aquatic Preserve. Funded by the SWFWMD Surface Water Improvement and Management (SWIM) Program, the site encompasses 151 acres of coastal upland habitat restoration requiring the suppression of nuisance exotic vegetation, biomass reduction, replanting, and quarterly site maintenance. \$87,500

University Parkway Extension, Manatee and Sarasota Counties, Florida (Project Director)

Provided environmental permitting and compliance. Project consisted of over four miles of regional arterial six-lane divided roadway with over three acres of wetland impacts. Project approvals required federal dredge and fill permitting, a federal endangered species biological opinion, multiphase environmental resource permitting, and multiphase local agency alignment alternatives analysis, regional corridor studies, and long-range environmental impact analysis to facilitate multi-agency reviews. Long-term compliance role included restoration of wetlands and wetland buffers, monitoring, and maintenance within the entire corridor. \$505,000

Eminent Domain for State Roads 52, 54 and U.S. 41, Pasco and Hillsborough Counties, Florida (Project Manager)

Provided natural resource services to support eminent domain taking for roadway improvements. Services included delineation of jurisdictional wetlands and identification of other environmental constraints for valuations, as well as expert witness testimony in civil cases. \$65,000

Braden River Mitigation Bank, Manatee County, Florida (Project Director)

Responsible for design assistance, quality assurance for permit applications, project oversight, and oversight of budget preparation. Schroeder-Manatee Ranch, Inc. contracted with Stantec to establish a 348-acre wetland mitigation bank and to implement plans to restore, enhance, maintain, and protect a diverse ecosystem within a portion of the Braden River located in Manatee County. The site lies within the headwaters of the Braden River and includes a portion of the Braden River channel and contiguous uplands. \$82,500

* denotes projects completed with other firms



Mr. Shaw is an environmental assessment and permitting professional offering over 25 years of experience. His primary responsibilities have included wetland resource assessments and permitting, listed wildlife species assessments and permitting, and project management. Mr. Shaw's experience in the wetland resources field includes wetland jurisdictional delineations, wetlands ecology, quantitative data collection and analysis, impact assessment and mitigation, and state WRP, ERP and federal Section 404/Section 10 permitting. Mr. Shaw has conducted wildlife/habitat assessments on over 30,000 acres of uplands and wetlands throughout Florida and is experienced in listed species permitting and conducting quantitative studies and habitat investigations to the standards of the Florida Fish and Wildlife Conservation Commission and U.S. Fish and Wildlife Service. His experience also includes transportation-related projects where he is well versed in Project Development and Environment (PD&E) tasks, including environmental determinations, contamination impact assessments, permit coordination, and public involvement. All dollar values are representative of fee.

EDUCATION

Master of Science, Geology, University of South Florida,
Tampa, Florida, 1989

Institute of Food & Agriculture Sciences, Hydric Soils:
Specialized Training for Wetland Scientists, University of
Florida, Gainesville, Florida, 2005

Management Development Training, Florida Gulf Coast
College of Business, Fort Myers, Florida, 2000

Bachelor of Science, Geology, Edinboro University of
Pennsylvania, Edinboro, Pennsylvania, 1983

Associate of Arts, Wildlife/Fisheries Management,
Pennsylvania State University, DuBois, Pennsylvania,
1980

Coastal Hydric Soils, Duncan & Duncan Wetland &
Endangered Species Training, Charleston, South
Carolina, 2004

Wetlands and 404 Permitting, American Society of Civil
Engineers, Tampa, Florida, 1998

PROFESSIONAL ASSOCIATIONS

Member 1991-Present, Society of Wetland Scientists

Member 1990-2009, The Wildlife Society

PROJECT EXPERIENCE

Citrus County Government Complex Gopher Tortoise
Relocation*, Citrus County, Florida (Biologist)

Responsible for listed species assessment and relocation on 40-acre sandhill site slated for construction of public office facility. Identified suitable recipient site and obtained relocation permit for gopher tortoises and commensal species (Permit #VWR90077). Captured a total of 35 tortoises and several Florida mice via backhoe excavation. Conducted follow-up survey of relocation success. \$N/A

Panama City Maintenance, Bay County, Florida (Project
Manager)

Responsible for environmental studies related to evaluating the feasibility and constraints of dredging of tidal water bodies. Stantec teamed with Taylor Engineering, Inc. to provide the City of Panama City with services associated with dredging of portions of six water bodies within City limits - Lake Huntington, Lake Caroline, Johnson Bayou, Massalina Bayou, Watson Bayou, and Lake Van Vac. The purpose of the dredging was to enhance navigability, remove shoals, or improve water quality in the project areas. The project focused on data collection efforts necessary for a joint FDEP and USACE dredge and fill permit application and concentrated on natural resource surveys (salt marsh, seagrass, wetlands, endangered species) along with bathymetric and topographic surveys. \$42,500

* denotes projects completed with other firms

Stephen K. Shaw PWS

Senior Ecologist

Hyatt Golf Resort Bald Eagle Management Plan, Lee County, Florida (Lead Ecologist)

Responsible for gaining approval of a Bald Eagle Management Plan. Developed components of management plan, including size and configuration of primary and secondary protection zones surrounding active eagle nest and habitat management practices. Coordinated input and approval of plan from the U.S. Fish and Wildlife Service and Florida Fish and Wildlife Conservation Commission. \$70,000

RiverCamps on Crooked Creek, Bay County, Florida (Lead Ecologist)

Responsible for identifying presence of listed plant and animal species. Conducted transects in habitats identified as having highest potential for presence of listed plant species and mapped locations of identified species via GPS. Conducted pedestrian transects for listed faunal species along shoreline areas of Crooked Creek and West Bay. RiverCamps on Crooked Creek is a 1,375-acre planned residential community located on West Bay in Bay County, Florida. The development plan is to construct an environmentally-sensitive gated community featuring cabin-like homes on large wooded lots along with supporting infrastructure, including trails, bridges, boardwalks, boat ramps, fishing piers, roads, drainage, water, sewer, power, telephone, and cable. \$1 million

North Pasco Regional Wellfield Ecological Monitoring*, Pasco County, Florida (Project Manager)

Responsible for ecological monitoring of wetlands throughout 8,515+acre study area. Conducted qualitative and/or quantitative monitoring of wetland water levels, vegetative species composition and phenology and wildlife usage. Compiled and analyzed data for evidence of reduction in wetland hydroperiods due to wellfield withdrawal. Prepared comprehensive reports for submittal to regulatory agencies. \$N/A

Cold Springs Villages Wetland Mitigation and Monitoring*, Marion County, Florida (Ecologist)

Responsible for wetland impact assessments for wetlands disturbed during the course of roadway development. Established wetland jurisdictional lines and seasonal high water levels for isolated wetland systems. Coordinated wetland mitigation plan involving wetland creation and assisted in gaining approval from regulatory agencies. Conducted post-construction monitoring of cypress swamp and herbaceous marsh wetland creation. Conducted maintenance of mitigation area and evaluation of permit success criteria. \$N/A

Foxwood Creek Residential Subdivision, Okaloosa County, Florida (Lead Ecologist)

Responsible for state WRP and federal Section 404 dredge and fill permitting. Project included approximately 60 residential lots on 52 acres, associated roadway and stormwater infrastructure, and a recreational trail. Wetland impacts were less than a half-acre and included culverted and bridged roadway crossings. \$184,000

Bay & Walton County General Permit and Ecosystem Management Agreement, Bay and Walton County, Florida (Ecologist)

Responsible for identifying wetlands and listed species habitats, assessments, and report generation along with related agency coordination. Stantec worked with a team of agencies and The St. Joe Company to develop the innovative and regionally significant West Bay to East Walton Regional General Permit and Ecosystem Management Agreement in Bay and Walton Counties, Florida (RGP/EMA). The 48,000-acre project area is located south of the Intracoastal Waterway and north of US Highway 98, extending from West Bay west to Choctowhatchee Bay. \$407,000

Bald Point State Park, Franklin County, Florida (Lead Ecologist)

Responsible for wetland delineation, impact assessment, report generation, and regulatory permitting (FDEP, USACE, NFWFWM). Contracted by the FDEP Division of Recreation and Parks, Stantec provided multiple services for more than four miles of new, two-lane rural park roadway; 100-foot-long vehicular/pedestrian bridge replacement; new 250-foot-long vehicular/pedestrian bridge; two new park campgrounds/ day-use area, floating dock, new park buildings (cabins, restrooms, storage, ranger stations); stormwater management facilities; and infrastructure components (potable water, septic systems; electrical utilities). \$645,000

Cairo Lakes, Bay County, Florida (Lead Ecologist)

Responsible for delineation of wetlands and listed species habitats, assessments, and report generation along with related agency coordination. Cairo Lakes is a planned 152-acre single-family residential community located north of Panama City, Florida. The master-planned community is comprised of 300 single-family residential lots, recreational lakes, and conservation areas. Stantec provided multi-disciplinary services for the project, including a land use amendment analysis, stormwater and utilities design, a topographic survey, and wetland delineation. 390,000

* denotes projects completed with other firms

Timothy P. Durham P.E.

Senior Environmental Manager - Stormwater Engineering



With a broad understanding of large-scale project development, Mr. Durham oversees and coordinates multi-disciplinary teams of ecologists, engineers, planners, and wetland scientists corporate-wide for the natural resource elements. His expertise lies in the fields of natural resource assessment, environmental master planning and wetland permitting, mitigation design, listed species surveys and management plans, wetland mitigation bank permitting, and conflict resolution. He has built a considerable network of contacts through professional representations and negotiations with the FDEP, Florida Fish and Wildlife Commission, USACE, U.S. EPA, U.S. Fish & Wildlife Service, National Marine Fisheries, water management districts, and local governments. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, 1983

AWARDS

2002 Leadership Collier, Collier County Chamber of Commerce

PROJECT EXPERIENCE

Collier County Rural and Agricultural Area Assessment, Collier County, Florida (Principal Ecologist)

Stantec was retained by a group of Collier County's largest landowners (the Eastern Collier Property Owners) to provide comprehensive planning and technical services for a 195,000-acre tract that represents the largest continuous rural area of Collier County. Services include support for the preparation of "The Collier County Rural and Agricultural Area Assessment. \$672,000

Miromar Lakes Development of Regional Impact, Lee County, Florida (Project Director)

Responsible for leading multidisciplinary project team. Stantec was contracted for the master development program that included 2,600 homes; 600,000 s.f. of office and retail space; 40,000 s.f. of industrial/research space; 450 hotel rooms; a beach club with boat docks and amenities; and an 18-hole golf course surrounding a 775-acre man-made lake shared by the Florida Golf Coast University campus. \$200,000

Gulf Coast Town Center DRI, Lee County, Florida (Project Advisor)

Responsible for providing specific expertise. This project for SCM Properties consists of the design and permitting of the second half of a 40-acre residential tract of the Gulf Coast Town Center DRI. The existing development contains 144 apartment units. The proposed plan includes replacing 12 apartment buildings (288 units) with 396 dwelling units (condominiums), and an associated clubhouse. Stantec provided engineering, landscape architectural, and surveying services. \$473,000

Big Cypress National Preserve GIS Development, Collier County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided project consisting of gathering existing data sets and developing new data for 24 project areas within the Big Cypress National Preserve. Project areas ranged in size from 20 to 36 square miles. \$30,000

Panther Island Mitigation Bank, Collier County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided the lead permit role in wetland delineations, wetland functional analysis, mitigation design, hydrologic analysis and design, permitting, and construction support of this regional wetlands bank. The 2,778-acre Panther Island Mitigation Bank provides developers and government agencies with an option to mitigate impacts in freshwater wetland systems. \$603,000

* denotes projects completed with other firms

Timothy P. Durham P.E.

Principal, Environmental Management

Naval Air Station Indefinite Quantity Contract, Monroe County, Florida (Principal)

Responsible for overall client interface and project and team management. Stantec was tasked with three projects under an Indefinite Quantity Contract for Environmental/Engineering Services for Natural Resource Management. Services included evaluation of past studies and plans, ecological planning, environmental permitting, wetland mitigation and monitoring, saltwater restoration, threatened and endangered species studies, and an environmental education component.

>\$200,000

The Brooks Development of Regional Impact and Site Development, Lee County, Florida (Principal Ecologist)

Stantec served as the Development of Regional Impact (DRI) team leader and Authorized Agent for this 2,534-acre upscale master planned community and mixed use development. Comprehensive site development services included planning, engineering, environmental assessment and permitting, landscape architecture, surveying, Community Development District (CDD), and construction observation and administration.

Ginn Company Project, Lee County, Florida (Project Advisor)

Responsible for providing specific expertise. Stantec performed a boundary survey of eight sections of land (approximately 5,000 acres) in southern Lee County. Extensive title information, original government surveys associated with the land, and the adjoining county rights-of-way and utility corridors were reviewed. Stantec also provided aerial targets and horizontal and vertical control for topographic mapping of the entire 5,000 acres within the project area. \$3.1 million

Florida Gulf Coast Research & Technology Park Environmental Permitting Services, Lee County, Florida (Lead Ecologist)

Responsible for oversight of identifying wetlands and listed species habitats, assessments, and report generation along with related agency coordination. Stantec provided services for the preparation and support of a USACE Section 404 Permit Application and a conceptual SFWMD Environmental Resource Permit Application as well as site development services for a 1,050-acre development. \$400,000

Tarpon Bay Hydrologic Restoration, Collier County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec was selected by the Rookery Bay National Estuarine Research Reserve for the hydrologic restoration of Tarpon Bay. This project consisted of two components in which Stantec provided design, permitting, and construction administration and inspection services - the first encompassed the hydrologic restoration and the second included the creation of a public access area and nature trail/boardwalk. \$395,000

Department of Transportation Mitigation Credit Study, Lee County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The purpose of this study was to determine wetland and listed wildlife species mitigation credits for two Conservation 2020 acquisitions parcels. Project activities included research of environmental information, field habitat mapping, identification of habitat restoration/enhancement opportunities, WRAP analysis, listed wildlife species analysis, preparation of Mitigation/Restoration Plan, and coordination/negotiation with environmental agencies (USACE, USEPA, USFWS, SFWMD, FFWCC). \$36,000

Naples City Docks Design & Permitting for Demolition & Reconstruction, Collier County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided comprehensive planning, permitting, and design services for complete demolition and reconstruction of the Naples City docking facility. Docking for 76 vessels including police and fire/rescue was provided. Amenity improvements included restrooms, comfort station, and dockmaster and utility room facilities, all of which were constructed over water. \$65,000

B. Experience with Projects of a Similar Type and Size

At WilsonMiller Stantec we believe successful stormwater management is not just about storing and controlling stormwater—it can also create high quality environments that enrich communities.

From the initial conceptual and planning stages, throughout the detailed landscape architecture and engineering design, we offer solutions that maximize the site potential while effectively managing stormwater. Aesthetic and environmentally-friendly designs create opportunities for recreation, leisure and education, increasing market value, and enhancing user experience.

From green roofs, rainwater harvesting, porous pavement systems, bioretention, biofilters, and infiltration basins to designing naturalized wetlands, WilsonMiller Stantec professionals can offer a wide range of solutions for stormwater. Our comprehensive services include stormwater facility design, hydrologic and hydraulic modeling, water quality modeling, ecological assessment, grading and planting design, irrigation design, open space planning, environmental assessment, vegetation control, protection, and management plans, environmental mitigation, landscape restoration, and constructed wetlands.

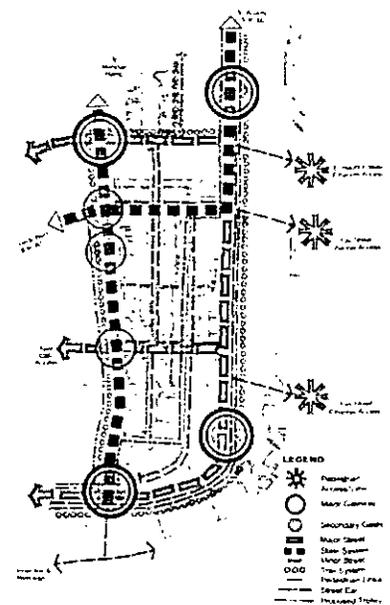
This approach is complemented by our experience in conceptual design, stormwater modeling, graphic illustrations and renderings, and construction drawings. As a result, we provide stormwater management facilities that are attractive, innovative and cost effective, enhancing the environment and capturing the unique character of the surrounding communities and developments.

Channel District Strategic Action Plan Implementation, Hillsborough County, Florida; City of Tampa, Bob McDonough, 813.274.8254; Project is Ongoing

WilsonMiller Stantec prepared the Channel District’s Strategic Action Plan (SAP), which analyzed existing infrastructure, developed alternative development scenarios, and established conceptual public realm design elements. Currently, WilsonMiller Stantec is providing engineering and design services to implement the over \$50 million in new infrastructure and public realm improvement recommendations of the SAP that are critical to supporting the district’s revitalization. The District’s existing infrastructure is aging and requires complete replacement and/or upgrade of all systems, including utilities, roadways, stormwater, wastewater, and potable water.

Overall Stormwater System

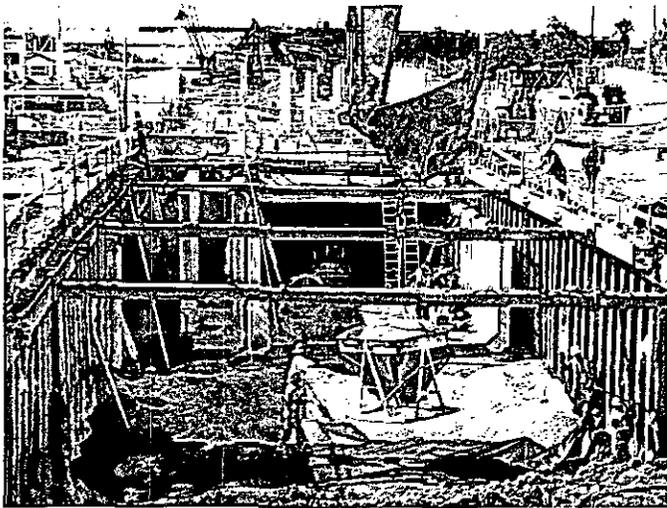
Designs called for a new stormwater treatment system along with improved stormwater collection and conveyance. The existing stormwater conveyance system’s capacity was enhanced by constructing nearly 14,000 linear feet of pipe ranging in diameter from 15” to 60”, over 130 new inlets and manholes, and re-profiling existing roads. Underground vaults were constructed near the waterfront to provide water quality treatment for over 42 acres within the district.



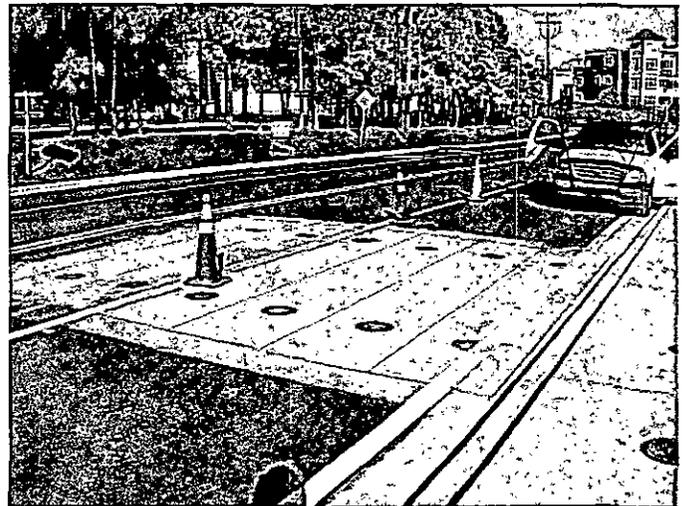
WilsonMiller Stantec designed numerous projects under the umbrella of the City of Tampa’s Channel District Strategic Action Plan. This included overall stormwater upgrades and, in particular, York Street improvements.

York Street included the design and construction of an underground vault system. (see photos on the following page)





York Street - During Construction



York Street - After Construction

York Street Stormwater Improvements

This project consisted of the construction of a 491 LF, 20' wide, 9' high underground stormwater vault and an underdrain and associated infrastructure. Both vault and underdrain were constructed using pre-cast concrete box culvert sections. The water quality provided by the vault and underdrain allows future public and private projects within the Channel District to meet regulatory criteria. This method was preferred by the local water management district as it is a more efficient alternative to smaller individual systems specific to individual projects. It is also an incentive to future redevelopment by relieving the burden of dedicating valuable building space for stormwater management. Due to the depths of the stormwater system, low grades of the land, and the proximity to the channel, the underdrain had to be drained by a triplex pump station. A new outfall through the existing bulkhead was necessary to compensate for the increase in hydraulic head created by adding the vault online into the existing stormwater system.

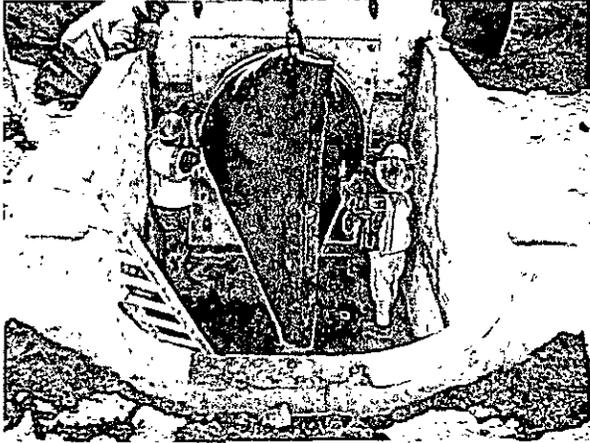
The connection into the upstream end of vault was done by microtunneling a 48" RCP under the adjacent intersection, thereby avoiding the closure of the intersection. The vault and underdrain design had to consider ease of maintenance for the life of the project including equipment available for maintenance crews and impacts to adjacent land uses during maintenance operations, the number of public and private utilities found in the area, the replacement of the existing and aging utilities, impacts to traffic flow adjacent to an entertainment and tourist area, and hard constraints on construction duration. The project was completed and the road open for traffic use within the tight time constraints. Key staff: Dave Kemper, Principal; Hamid Sahebkar, Project Manager; Lea Del Tosto, Landscape Architect; Neale Stralow, Planner; Ivy Clinton, Landscape Architect.

The vault and underdrain design had to consider ease of maintenance for the life of the project including equipment available for maintenance crews and impacts to adjacent land uses during maintenance operations, the number of public and private utilities found in the area, the replacement of the existing and aging utilities, impacts to traffic flow adjacent to an entertainment and tourist area, and hard constraints on construction duration.

City of Punta Gorda Downtown Drainage Study and Design, Charlotte County, Florida; City of Punta Gorda, Mark Gering, 947.575.5064; Completed 2010

The downtown area in the City of Punta Gorda experiences street flooding related to high tides in the Peace River and an undersized drainage system. The Public Works' Engineering Division secured a Hazard Mitigation Grant from FEMA with a three year time limit for

Section 2 – Specific Work Category - B. Experience



The City of Punta Gorda Drainage Study and Design project required our team to involve SWFWMD, FDOT, USACE and FEMA agencies for coordination and compliance.

This project specifically speaks to our team's ability to provide one-on-one assistance to Leon County staff on large-scale stormwater issues and stormwater planning/design.



full construction of the project. The grant required a study phase and a design phase and required mitigation to resolve the flooding and drainage issues. WilsonMiller Stantec began the study in November 2007. A Watershed Management Plan (WMP) was developed and submitted to the City in May 2008. The WMP included the development of an existing conditions ICPR stormwater model using SWFWMD one-foot contours augmented by survey data and mapping the 25-Year, 24-Hour floodplain for the project area. The project team utilized the ICPR stormwater model and surveyed finished floor elevations for existing structures in the 25-Year, 24-Hour floodplain to evaluate various alternatives to achieve the project goals. Also, the WMP included the preliminary Benefit Cost Analysis (BCA) to assist in making project recommendations that aligned with the FEMA Hazard Mitigation Grant Program objectives. The total study area included 440 acres in the downtown area of the City of Punta Gorda. Along with the mitigation plan, WilsonMiller Stantec also addressed other important components, such as:

- Utility relocations/adjustments
- Environmental permits
- Historical resources
- Aesthetic concerns
- Maintenance of traffic plans
- Structural design
- Long-term maintenance

In the design phase of the project, WilsonMiller Stantec prepared final engineering and mitigation plans for SWFWMD and USACE permitting. The project required innovative approaches to wetland (mangrove) impact mitigation and avoidance of Sovereign Submerged Land impacts as well as cognizance of the Aquatic Preserve and Outstanding Florida Water status of Charlotte Harbor. WilsonMiller Stantec engaged in a "Fast-Track" Environmental Resource Permit application review with SWFWMD and Individual Section 404 permit review with the USACE to meet project scheduling goals.

Adhering to the grant schedule established by FEMA, the design phase of the project got underway in June 2008. WilsonMiller Stantec included FDOT and SWFWMD as team members early on in the project as the final completion was dependent on permitting. Meetings were held with agencies early and timeline objectives were discussed. With this open communication, SWFWMD accepted the project as a fast track project and FDOT bought into that same schedule. Construction plans were developed and submitted to regulatory agencies in September 2008 and all permits were in hand by the end of October 2008. This early coordination led to the on time submittal to FEMA. FEMA representatives stated that this project submittal was the most complete they had ever seen. Key Staff: J. Michael Bell, Principal; Daniel Bond, Project Manager; Stephen MacEachern, Engineering Intern; Mike Jones, Ecologist; Ralph Verrastro, Structural; George Barnard, Construction Services.

Myakka River Park, City of Venice, Florida; City of Venice, Kathleen Weeden, 941.486.2626; Completed 2010

The City of Venice retained WilsonMiller Stantec for design improvements to the Myakka River Park - a 10-acre passive recreational design-build project. The project consists of a restroom facility, parking lot, floating canoe/kayak launch, picnic pavilions, and 1,400 (+/-) linear feet of trails. WilsonMiller Stantec provided complete site development, drainage design, utility design (including a force main and grinder pump station), and construction phase services. The project also includes ecological design and permitting services through the City of Venice, SWFWMD, USACE, and Sarasota County, involving the pedestrian trail and canoe/kayak launch.

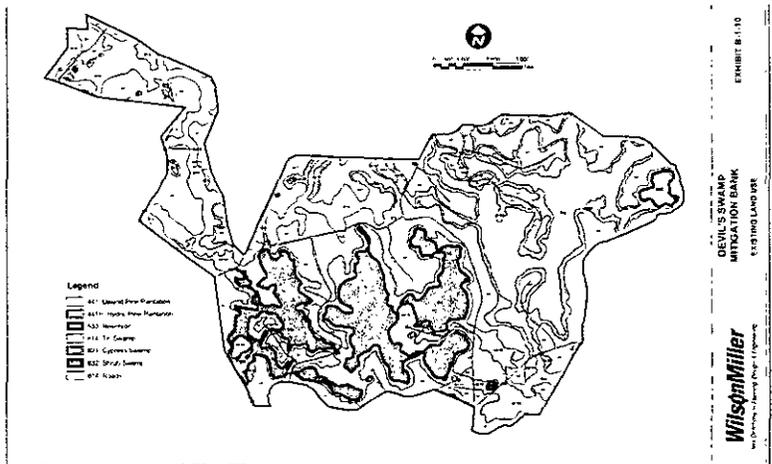
Examples of "added value" provided by the WilsonMiller Stantec team: Utilize existing wetland information obtained and on file by adjacent property owners; Coordinate with existing stormwater pond landowner adjacent to the project to eliminate the need for stormwater ponds and reduce permit time by 60 days while reducing construction cost; Coordinate with utility provider to construct a portion of the trails while they were installing underground utilities; Minimize impacts to the Myakka River and avoid long permitting schedules with agencies by reviewing wetland limits and site prior to final location of amenities. Key staff: Michael Bell, Principal; Daniel Bond, Project Manager; Bob Cunningham, Survey; Mike Jones, Ecologist; Stephen MacEachern, Engineering Intern.

Devil's Swamp Mitigation Bank, Bay and Walton County, Florida; Angela Bradley, 850.231.6409; Completed 2006

The 3,050-acre Devil's Swamp Mitigation Bank provides developers and government agencies with an option to mitigate impacts in freshwater wetland systems. Upon completion, the area will connect to thousands of acres of existing conservation lands owned and managed by the Northwest Florida Water Management District on the Choctawhatchee River.

The planned mitigation and restoration efforts involve restoring the site to the prepine plantation/historical communities which include mixed forested wetlands, cypress swamps, savannas, flatwoods and upland pines. These communities serve as headwaters to Nine Mile Branch and other unnamed streams. About one mile of stream corridor is included in the restoration. The project will contribute to the recovery of several listed species.

The ecological goal at the Devil's Swamp site is to recreate the landscape mosaic as it appeared on 1941 aerial photographs, which is representative of the landscape immediately preceding conversion activities. This will be accomplished by restoring hydrology through filling ditches, eliminating roads, installing equalizer culverts under and creating hardened low water crossings in permanent roads, and implementing a "natural" prescribed fire regime at the site. Key staff: Chris Brockmeier, Principal; Theresa Carron, Project Manager; Ray Greer, Planner; Steve Shaw, Ecologist.



Section 2 – Specific Work Category - B. Experience

NPDES Sampling for Leon County Public Works, Leon County, Florida; Leon County BOCC, Theresa Heiker, 850.606.1500; Completed 2006

Leon County Public Works conducted NPDES sampling to meet EPA permit requirements back in 2006. WilsonMiller Stantec was retained to initiate a long-term monitoring plan to collect and analyze surface water at the Ben Stoutamire Boat Landing, Black Creek, Gum Creek, Lake Henrietta, Lake Iamonia, and Lake Munson. Three programs that were designed to trend various parameters were implemented.

- The Trend Monitoring Program sampled 13 different parameters at 12 different locations at Black Creek, Gum Creek, and Lake Munson.
- The Best Management Practices (BMP) Efficiency Program sampled 11 different parameters at 4 different locations at Lake Henrietta.
- The Coliform Characterization Program sampled 5 different parameters at 5 different locations at Gum Creek, Lake Henrietta, the Ben Stoutamire Boat Landing, and Lake Iamonia. Parameters that were tested for included: Temperature, pH, turbidity, metals, dissolved oxygen, biochemical oxygen demand (BOD5), total dissolved solids (TDS), total suspended solids (TSS), color, hardness, nitrogen series, phosphorous series, chlorophyll a, total/fecal coliforms, caffeine, surfactants, fluoride, boron, and titanium. WilsonMiller Stantec teamed with Water & Air Research (WAR) to conduct stream condition index (SCI) at each trending location.



Chemistry laboratories typically specialize in a family of compounds. Due to the wide spectrum of parameters that were being sampled in this project, numerous NELAC and FDEP approved laboratories had to be utilized. Different laboratories use different terminology, which made interpreting the lab results difficult for County staff. Additionally, a joint FDEP and EPA database called STORET uses another set of terminology, thereby compounding the confusion and adding to the difficulties that County staff had when inputting the data. WilsonMiller Stantec was called upon numerous times to facilitate the data entry process. Key Staff: Chris Brockmeier, Principal; Theresa Carron, Task Manager; James Gerth, Engineering Support; Matthew Crim, Transportation Planner.

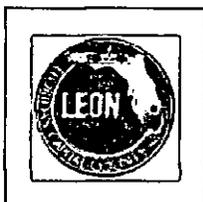


42nd and Fletcher Avenue, Hillsborough County, Florida; City of Tampa, Tom Mueller, PE, 813.272.5912; Completed 2006

WilsonMiller Stantec provided PD&E, design, permitting and construction support services for the intersection improvements consisting of the addition of right and left turn

lanes to westbound Fletcher Avenue; a left turn lane to northbound North Palm Drive; and a right turn lane and modification to the existing left turn lane on eastbound Fletcher Avenue including design of new mast arm traffic signals, design and construction of retaining walls, new sidewalks/crosswalks meeting ADA and adding Bicycle Lane. Required coordination with the University of South Florida. Key elements included:

- Water quality improvement
- Stormwater conveyance improvements
- Project was completed under a continuing services contract

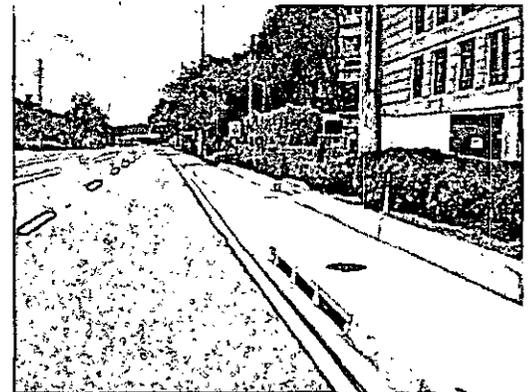


Key staff: Dave Kemper, Principal; Hamid Sahebkar, Project Manager; Chris Roberts, Traffic/Roadway Engineering.

East Madison Street, Hillsborough County, Florida; Mercury Advisors, Ken Stoltenberg, 813.864.4200 ; Completed 2007

WilsonMiller Stantec provided civil engineering design services for the improvements to an approximately 1000-foot long block of Madison Street between Channelside Drive and Meridian Avenue, coordinated with two developments.

Our team designed drainage improvements which included 3 stormwater vaults, located under the parking garages, and 2 chamber systems, located under surface parking areas for water quality and quantity treatment as well as 540 feet of 18" diameter stormwater pipe with five inlets and structures along Madison Street. The tight urban environment and existing infrastructure required the construction of conflict manholes. On-street parking was added on the south side of the roadway. Curb and gutter was added on both sides of the road and milling and overlay was used for slope correction and leveling. FDOT maintains both Meridian Avenue and Channelside Drive, requiring permitting through the agency. A sidewalk was constructed along the south side of the segment.



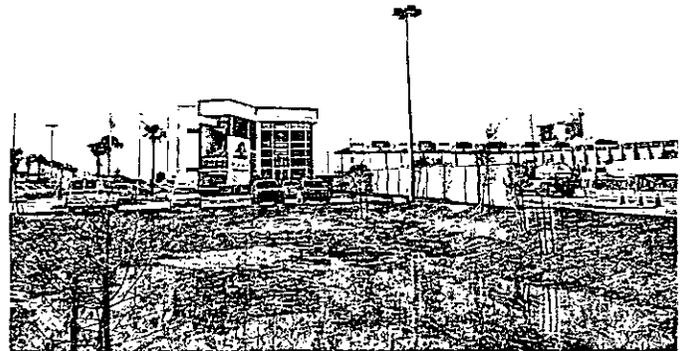
East Madison Street - After Construction

Portions of the existing 8" clay sanitary line were replaced to service to new developments. Over 1,000 linear feet of 12" water main was extended along the north side of the roadway; the location was coordinated with a new gas line and existing buried communication lines.

As part of the implementation of the Channel District Strategic Action Plan, WilsonMiller Stantec has designed further improvements on Madison Street including enhancements to the stormwater management system and undergrounding of overhead electrical and communication lines. Key staff: Dave Kemper, Principal; Hamid Sahebkar, Project Manager; Chris Roberts, Roadway/Traffic Engineer.

Hooker's Point Security Entrance, Hillsborough County, Florida; Tampa Port Authority, Zelko Kirincich, 813.905.7678; Completed 2006

The Hooker's Point Security Entrance project consists of a two-story 12,500 sf security building, access control gates, inspection stations and weigh scales, related parking, utilities and a stormwater management facility and monitoring vehicular traffic including 12,000 truck trips per day. Proposed improvements included the widening of Maritime and Guy Verger Boulevards, and Eastport Drive, as well as multiple railroad grade crossing improvements and off-site drainage improvements. The security building houses the monitoring facilities for all of the Tampa Port Authority facilities and is connected through communication lines to a multitude of security cameras through-out the port facilities. In addition, this facility supports the efforts of the U.S. Customs Service and Immigration, as such specific inspection and staging areas are provided. This project was designed at two different locations. Key staff: Dave Kemper, Principal; Hamid Sahebkar, Project Manager; Lea Del Tosto, Landscape Architect; Chris Roberts, Roadway/Traffic Engineer..



Section 2 – Specific Work Category - B. Experience

B. Experience With Projects of a Similar Type and Size

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

We are currently under the following contracts that demonstrate our experience in the Stormwater Engineering category:

Project Name
Polk State College Advanced Technology Center
Grassy Key Development, FDEP
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District
Franklin Correctional Institution
Marathon Safety Improvements
Santa Clara and Willow Street Construction Administration
Windley Key, Sargarloaf Trail Segment Extensions

The implementation of our Quality Assurance/Quality Control Plan is extremely important to ensuring that all standards, codes and regulatory requirements are being met every step of the way.

#3/4. Describe the Firm's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for Stormwater Engineering.

Our team will do an initial investigation/preliminary design report to identify the scope of the task order/assignment and, therefore, will become aware of all applicable regulations and design criteria. We will have that reviewed with Leon County staff and this will be the overall basis of our design.

Information will be discussed at the kick-off meeting and design criteria confirmed during all applicable agency and pre-application meetings. These could include regulations and standards mandated by:

- Local Government
 - o Tallahassee-Leon County Comprehensive Plan
 - o Leon County Land Development Code
- Northwest Florida Water Management District
 - o Environmental Resource Permitting Rules (Chapter 62-346, F.A.C.)
 - o Noticed General Environmental Resource Permits (Chapter 62-341, F.A.C.)
 - o Applicant's Handbook Volume I
 - o Applicant's Handbook Volume II
- Florida Department of Transportation
 - o Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System
 - o Standard Specifications for Road and Bridge Construction
 - o Manual of Uniform Minimum Standards for Design, Construction, and Maintenance



Section 2 – Specific Work Category - B. Experience

for Streets and Highways (Florida "Greenbook")

- o Plans Preparation Manual
- o Drainage Manual and Handbooks
- o Bicycle Facilities Planning and Design Handbook
- o Traffic Engineering Manual
- Federal
 - o Americans with Disabilities Act Accessibility Guidelines (ADAAG)

Furthermore, the implementation of our Quality Assurance/Quality Control Plan is extremely important to ensuring that all standards, codes and regulatory requirements are being met every step of the way.

#5. Describe the 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.

WilsonMiller Stantec uses a number of different software tools to assist with stormwater engineering projects. These may include:

- CADD
 - o WilsonMiller Stantec operates both the AutoCad and Microstation CADD software platforms giving us greater flexibility in meeting client specific requirements
 - o Land Desktop and Civil 3D
 - o Geopak
 - o AutoTurn
- Scheduling
 - o Microsoft Project 2003
- Word Processing, Spreadsheets, Databases, Presentations
 - o Microsoft Office 2007 Software
- Stormwater Modeling
 - o ICPR
- Storm Drain Design and Drafting
 - o ASAD
 - o StormCAD

WilsonMiller

Notice to Residents

Dolly Street Phase

Construction of the Punta Gorda Downtown Flooding Improvements project (Dolly St. Phase) is scheduled to commence on September 7th and continue thru October 9th. The purpose of this project is to upgrade the existing drainage system and eliminate standing water in the roads by installing larger diameter conveyance pipes and a check valve at each out fall structure.

During construction please follow any directions from one of the certified traffic control flaggers or detour signs set to navigate around the construction area. There may be a need to remove a portion of a resident's driveway. Before a driveway is removed a crew foreman will notify the resident at least 72 hours in advance and advise the resident of a safe alternate place to park. After the drainage pipe has been extended past the resident's drive the concrete/asphalt will be replaced with a stabilized material and maintained by the contractor until a permanent replacement is installed. At no time should a resident be denied access to their home.

Working hours are from 7:00 am to 8:00 pm Monday thru Friday and possibly Saturdays. Night work is not expected but may be necessary and will be done only with permission from the City of Punta Gorda.

If a resident has any questions or concerns a project manager can be reached at the following numbers:

T.J. Reeves Construction Project Manager Stevens and Layton, Inc. (239) 693-1400	Dan Bond, P.E. Engineering Project Manager WilsonMiller, Inc. (941) 255-0655
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Doc # 15287

Example of public notice having prepared for the City of Punta Gorda's Downtown Flooding Design project.

C. Willingness to Meet Schedule and Budget Requirements

Meeting Schedules and Budgets

The WilsonMiller Stantec team philosophy on cost and schedule control is to “do it right the first time “DIRTFT”. We believe the cost of correcting problems with any project weighs heavily on when the problem is first identified and then corrected. For instance, a problem that may only cost \$100 to correct if caught early in the project, may cost \$10,000 to correct during implementation.

Our team is committed to reducing the overall consulting fees to the County by utilizing appropriate project staff and realistic schedules. This commitment includes three basic concepts:

- 1) Identify, understand and utilize available technical information (e.g. the Counties Watershed Management Plans).
- 2) Identify “value staffing” based on eliminating the use of over-qualified staff when they are not required.
- 3) Emphasize strong project management to implement the project within the agreed schedule and budget.

Controls for Meeting Schedule & Budget - Management Approach

WilsonMiller Stantec believes in a strong role for its Contract Managers and Task Managers. As a result, the project manager has full authority to directly commit staff and resources throughout the company. During the project, if the schedule or scope changes, our project manager can coordinate the necessary changes directly with the County staff in order to provide immediate response to the County’s needs. We are well aware that the County’s project managers routinely oversee several projects simultaneously, consequently, one of our chief objectives is to facilitate the County project manager’s oversight of the project. Specifically, our project manager will maintain chief contact with the County’s project manager. Our communications objective is to provide the County’s project manager with current project information at all times, without adversely impacting the schedule.

Our project manager will also maintain coordination between the County’s project manager and project team through weekly status memos (via e-mail or faxes) and monthly progress reports and regularly scheduled project meetings. Our project manager and members of our project team will be available for project meetings or for on-site reviews with County personnel or other representatives as required.

Coordination of Work

Initial lines of communication and coordination will be established at the onset of the project or task assignment prior to issuance of the notice-to-proceed. At this meeting, appropriate aspects of the work (such as scope, schedules, budgets, QA/QC plan, and public involvement) will be discussed and ground rules for conducting the work, communication, and coordination will be established. A detailed schedule and scope will be submitted with each cost proposal for a given assignment.

We have an internal checks and balances system built into our QA/QC program that prevents mistakes from ever making into the field.

This results in not only strict adherence to budget, but the decrease in change orders during construction which saves both time and money to the owner.



Section 2 – Specific Work Category - C. Schedule and Budget

Throughout the duration of the project, we will maintain frequent contact with the County's project manager to keep him advised of progress and problems that are encountered. It is anticipated that we will meet with the County's project manager at least monthly, but more frequently if necessary.

Communications with the County's project manager will be an integral part of the project. We believe that the effective use of the clients participation will provide a mutually successful project for all parties, from the project development phase through final design and permitting.

Milestone meetings will be scheduled with the County to inform the project team of the progress on the project, in relation to scheduled completion tasks and work products. Emphasis will be placed on the use of hand written transmittals and memoranda, or facsimile transmittals, to reduce secretarial time and provide the County with prompt information on the project.

The project manager will also communicate with the County through weekly telephone contact. The purpose of the phone calls will be to inform the County of the latest project developments, and to resolve potential problems or project conflicts.

We are confident with our proactive approach to identifying and solving problems that the Advantage Engineering team can complete the County's task assignments on time or ahead of schedule within the agreed upon budget.

All of our proposed team members have previous experience in providing services under continuing contracts to a variety of clients. These team members average 20 years experience each, so Leon County can rest assured they are receiving highly-qualified, experienced staff assigned to the continuing contract no matter how small the task assignment.

Section 2 – Specific Work Category - D. Workload

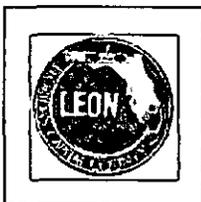
D. Willingness to Meet Schedule and Budget Requirements

The table below identifies the projects that our team is currently under contract along with the anticipated completion dates.

Project Name	Est. Completion Date
Polk State College Advanced Technology Center, Site Engineering	2012
Grassy Key Development, FDE, Engineering Services	2011
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District	2011
Franklin Correctional Institution, Engineering Services	2011
Marathon Safety Improvements, Engineering Services	2011
Santa Clara and Willow Street Construction Administration	2011
Windley Key, Surgarloaf Trail Segment Extensions - FDEP	2011
Bald Point Construction Close-Out, Roadway/Traffic Design Services	2011
SR 189 from Roberts Blvd., Roadway Design Services	2012
Group 11-02 Resurfacing, FDOT, Roadway Design Services	2011
City of DeFuniak Springs, Planning Services - CRA	2011
City of Carrabelle CRA, Planning Services	2011
Bay County Joint Land Use Services, Planning Services	2011
Villages of Seloy, Planning Services	2011
EAR Amendment - Marianna Comprehensive Plan, Planning Services	2011
Bal Harbour Shops, Planning Services	2011
St. Andrew's Bay, Civil Engineering Services	2011
Florida Keys Overseas Heritage Trail Summerland West Mitigation, Environmental Management Services	2011

Our current workload is divided amongst a staff of 15.

As you can see in the table to the right, nearly every one of our current projects are expected to be completed this year.





Our staff holds regular project update/scheduling meetings to ensure the project(s) stay on track and within budget.

Our assigned team members have the ability to start work as soon as a task order is assigned under the Continuing Supply contract. We have assigned a core team of 8-10 people to the team, that will be "on-the-ready" if we are assigned the contract. They will be able to absorb any projects issued under the Continuing Supply Contract because we anticipate the majority of our projects to be completed by end of 2011.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

We hold regular project scheduling meetings to ensure that our projects stay on budget and within anticipated schedule. This is key to managing the overall workload of multiple miscellaneous task orders simultaneously.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

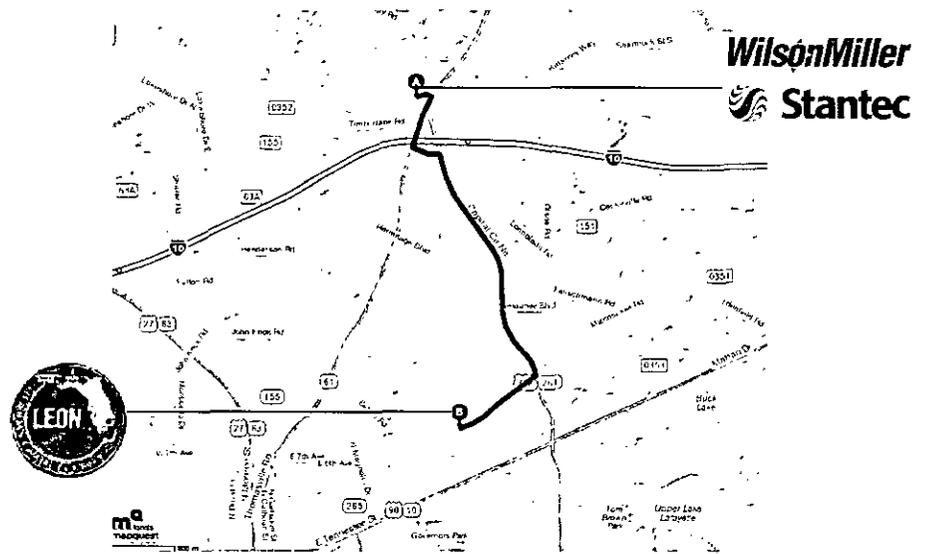
E. Project Team Location

Our project team is predominantly located at our Tallahassee office, located locally in Leon County. The address is:

- 1441 MaclayCommerce Drive, Suite 101
Tallahassee, FL 32312

Our team will be supplemented by personnel located in other offices throughout Florida and Georgia. As a corporate policy worksharing is a common practice, one that occurs between various offices and amongst disciplines. Our staff is familiar with working on projects that are not local to them, and know our internal process of communicating regularly with local personnel in order to seamlessly provide service.

Our local presence will be a significant advantage in our ability to easily service any tasks assigned under the Continuing Supply contract.



Our Tallahassee office is located 4 miles from the Leon County Public Works address at 2280 Miccosukee Road.



F. Approach to the Project

WilsonMiller Stantec's method of executing work focuses our team on working as an extension of the Leon County staff. Consequently, we always will be keenly aware of the importance that timely project communications will have. We apply a consistent methodology and rationale to every project we deliver. While individual projects that we complete present their own unique characteristics and specific challenges, our approach to completing each is the same. Successful projects begin with the development of a specific project scope. Included in the scope of services is an identification of all project deliverables and an associated schedule for the project. This scope must be fully understood by the Leon County and WilsonMiller Stantec. It is our commitment to provide a timely and cost-effective response to the County's needs.

The actual steps to implement a project task or work order under this continuing supply arrangement may vary according to the needs of the County, but we would generally recommend the following approach:

It is anticipated that County Department Director, or his or her authorized designee, would contact WilsonMiller Stantec's Contract Manager, Chris Brockmeier, directly with an initial request for services. This initial contact may be verbal or in writing.

After the initial discussions with the County's representative, Mr. Brockmeier would prepare a draft work order for the requested services including a work plan, fee proposal and task schedule. The work plan will indicate: 1) what work is to be performed, and 2) by which team members. If any outside services or subconsultants are required to complete the project, WilsonMiller Stantec will indicate the names of the firms and/or service providers that will be utilized in the performance of the work. (Note: no costs are incurred by the County for the preparation of work orders by WilsonMiller Stantec).

Following the County's receipt of the draft work order, the County would complete the negotiation of the scope of services and fees, and under the appropriate authority, authorize the work to proceed. We will remain flexible with respect to submitting and completing the scope and fee negotiations in time for County staff to meet any internal submission deadlines for approvals so that the work can proceed as soon as possible.

Upon receipt of the authorization to proceed, WilsonMiller Stantec will begin work and proceed pursuant to the adopted task schedule. Work will proceed according to the schedule, with deliverables provided according to the adopted work plan.

County feedback will be solicited via e-mail communications, informal progress meetings, and formal review workshops and submittals. During the life of the work order, an appropriate number of meetings will be established in the work plan to ensure that the desired results are obtained as part of the timely completion of the project.

PROJECT MANAGEMENT

Through effective project management WilsonMiller Stantec ensures completion of the project within budget and time constraints; the preparation of quality engineering plans, specifications, and contract documents; and ongoing, timely response to Leon County's needs.



WilsonMiller Stantec facilitated a number of community involvement meetings and charrettes during the Channel District SAP project. We found this process extremely helpful in obtaining buy-in and ultimately expediting project goals.



PROJECT COMMUNICATIONS

The ongoing communication between the client and consultant is important for a successful project. As the design process is developed and implemented, the scope and requirements of the project are evaluated to make certain the needs of the County are being met. Procedures that ensure effective communications will be used for each project: a detailed work plan and scheduled progress reports. Progress reports are prepared to show the work to date, to identify any potential problems and resolutions. These are submitted to the County for review and discussion of project status.

PROJECT EXECUTION

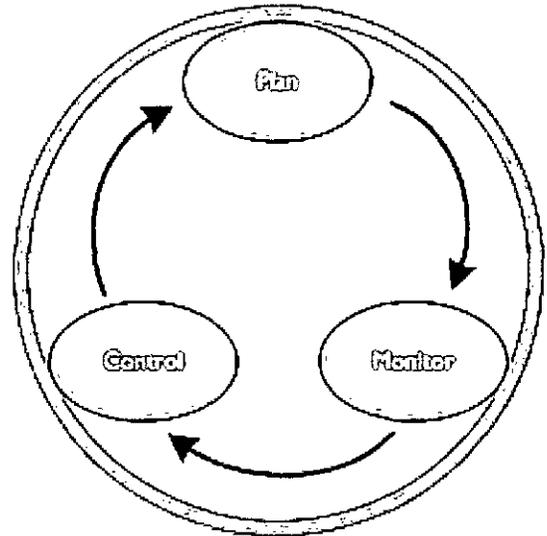
The design process for each project will begin with a kick-off meeting with County staff, project manager, and the design team. The scope of the project will be discussed, critical factors to be considered and other issues specific to the project. Based on the size and scope of the project, WilsonMiller Stantec will produce a preliminary design report and review documents at the 30%, 60%, 90%, and 100% complete levels, including opinions of probable construction costs. At each stage, the project manager will meet with the County staff to review the progress of the project and make adjustments based on input from County staff. Following the completion and approval of the final design, WilsonMiller Stantec will prepare contract documents and assist in the bidding process including advertising for and obtaining bids for construction, materials, equipment and services at the direction of the County. WilsonMiller Stantec will coordinate the project construction phase with the assistance of Greenman-Pederson by advising the County and providing project management through observations, monitoring, and relating activities during the construction phase.

For each project awarded, WilsonMiller Stantec will include services for all engineering, surveys, geotechnical investigations and structural services necessary to successfully complete the project.

QA/QC APPROACH

WilsonMiller Stantec has aggressively pursued its commitment to quality for every task, deliverable, and service we provide. Recognizing the critical importance of careful quality control, we have assigned seasoned professionals that have no line authority or are actively working on the project to head up our Quality Assurance Program for this project. The objective of our quality control/ quality assurance program will be to ensure that our services are based on sound engineering principles and practices that reflect the highest standards. This ensures that the deliverables conform to the client’s scope and are thorough and accurate.

Quality control is assured by a carefully designed system of crosschecks and independent reviews and senior principals of the firm conducting top-level reviews of the projects in their role as senior management. Prior to starting the project, we will hold an internal meeting with key members of the team assigned to the project to define roles and responsibilities, establish realistic schedules, and clearly identify project milestones and goals. The



Section 2 – Specific Work Category - F. Project Approach

professionals involved in monitoring the Quality Control Plan will define their expectations for the project and their role in the Quality Assurance.

The WilsonMiller Stantec team has held the Leon County Continuing Supply Contract previously and has a great working knowledge of the manner in which the staff conducts business and their expectations of performance.

We intend to use our previous knowledge and current level of expertise in Stormwater Engineering throughout the region to expedite any task orders assigned.

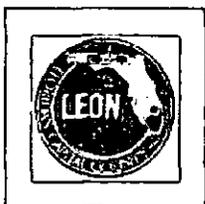
- **Management Responsibility** - Management has designated an office representative (the project manager of each of our offices) who has defined authority and responsibility for implementing and maintaining the quality policy.
- **Project Control** - Our project manager will establish and maintain procedures to control and verify project scope performance. This will allow our team to meet project specific criteria, other specified requirements, and requirements of the relevant regulatory agencies.
- **Document Control** - We use an electronic document records management system that tracks all documents, including non-electronic documents, by project.
- **Subcontracting** - We require our subcontractors to identify and plan the production processes that directly affect quality and to perform these processes under controlled conditions.
- **Inspection and Verification/Testing** - We document results for receiving incoming products, work in process, and final inspection of outgoing documents.
- **Inspection and Verification Status** - This accepts only work that has passed the required inspections and verifications.
- **Nonconformance** - We will establish and maintain procedures to correct nonconforming work so that such work is not inadvertently used or installed.
- **Corrective Action** - This includes procedures for investigating the cause of nonconforming work, the corrective action needed to prevent recurrence, and procedures for analysis to detect and eliminate potential causes of nonconforming work.
- **Training** - WilsonMiller Stantec has established and maintains corporate-wide procedures for identifying the training needs and providing the training of all technical and professional personnel performing activities that affect quality.

While maintaining the highest level of QA/QC in every WilsonMiller Stantec project, quality improvement efforts are intended to establish strategies for continued improvement in areas of production, scheduling, and multi-disciplinary coordination. To that end, WilsonMiller Stantec has developed a post-project evaluation summary process to assist the project manager in evaluating the positive and negative performance results of the project.

PERFORMANCE MONITORING

After each phase of the design process has been completed and before the deliverables are submitted, there will be a quality control inspection to determine if the product is technically correct and consistent with the goals and objectives of Leon County.

Any changes or modifications required in order to respond to comments or suggestions during the QA/QC process will be incorporated into the project during the ongoing analysis prior to submitting the project to County staff or the permitting agencies.



Section 2 – Specific Work Category - F. Project Approach

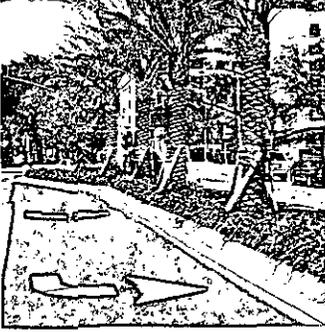
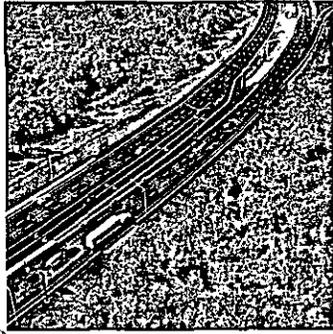
The Project Director for WilsonMiller Stantec, Mr. Chris Brockmeier, P.E., aided by the appropriate QC personnel as a last check, will review all documents that have gone through the Quality Control Process for consistency with project requirements and technical adequacy before it is submitted to Leon County.

RESULTS

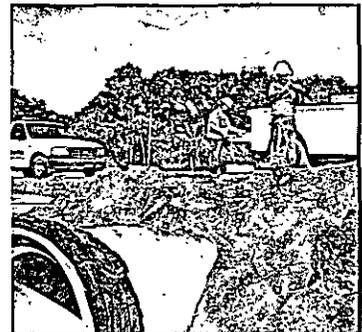
WilsonMiller Stantec is committed to provide the services required by Leon County with a project team to fit the County's direction, focusing on meeting three fundamental objectives:

- Completing the project on time
- Completing the project within Budget
- Completing the project with the quality expected

WilsonMiller Stantec's team is results-oriented and, due to our focus on client service, maintain an excellent reputation within the engineering and design industry.



Roadway Design



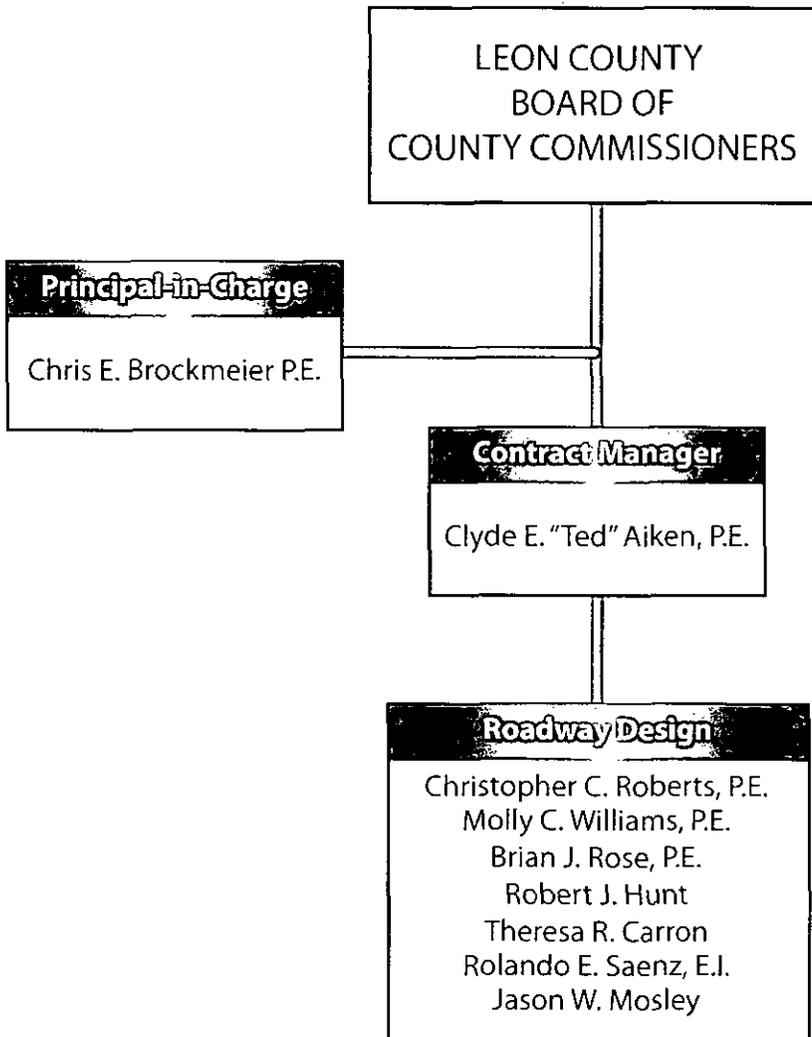
A. Ability of Professional Personnel

Although we are applying from our Tallahassee office, we will be utilizing staff from various locations throughout Florida to help supplement our team as scope requires. This includes adding staff from the Macon, GA office, as well as Tampa and Sarasota offices.

We have a dedicated pool of experienced professionals that are "on-call" for any tasks that are assigned under the Roadway Design Category. The organizational chart below and the attached resumes showcase those personnel that have been selected to be dedicated to these projects due to their availability and workload.

WilsonMiller's broad range of in-house services makes us unique in the fact that we are able to provide clients with a one-stop-shop on any given project, or as demonstrated with our previous work with Leon County.

With the various discipline resources available in-house, we are able to function as a coherent team to provide miscellaneous, continuing services effectively and seamlessly.



Chris E. Brockmeier P.E.

Principal - Roadway Engineering



Mr. Brockmeier has both civil and environmental engineering experience in the private and public sectors. His professional skills include project management, preliminary/ conceptual design, permitting, system modeling, final design, cost estimating, bidding, and construction-phase services. He participated in the design and implementation of various stormwater, potable water, sanitary sewer systems and solid waste facilities, which included permitting from federal, state, and local regulatory agencies. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, Florida State University, Tallahassee, Florida, 1995

REGISTRATIONS

Registered Engineer #56859, Florida; Professional Engineer #25147, Alabama

PROFESSIONAL ASSOCIATIONS

Tallahassee Branch, Past President 2005, American Society of Civil Engineers

Membership Committee, Young Member's Committee, Engineer's Week Committee, American Society of Civil Engineers

Education Committee, American Public Works Association

Past Chairman, 1999, American Public Works Association

AWARDS

2001 Florida Engineering Society, Big Bend Chapter, Young Engineer of the Year

1998 American Society of Civil Engineers, Big Bend Chapter, Young Engineer of the Year

PROJECT EXPERIENCE

Glenview Drive Sidewalk Improvements, Leon County, Florida (Principal-in-Charge and Project Manager)
Responsible for overall client interface and project and team management. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 4,400 feet of proposed sidewalk along Glenview Drive. The project is part of the City's Residential Sidewalk Program. \$55,000

Eastgate Way/Bedford Way Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)
Responsible for overall client interface and project and team management. Stantec was retained by the City of Tallahassee to design and prepare contract plans and documents for the construction of approximately 6,400 feet of proposed sidewalk along Eastgate Way/Bedford Way. The project is part of the City's Residential Sidewalk Program. \$64,000

Dempsey Mayo Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)
Responsible for overall civil design, ongoing client and project coordination, account management, and project scheduling. In a continuing effort to improve public safety, Leon County contracted Stantec for professional design and permitting services for the construction of new sidewalks along Dempsey Mayo Road from Miccosukee Road to Mahan Drive (US 90) for approximately 5,000 feet. \$35,000

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)
Responsible for overall civil design, client interface and project and team management. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$72,000

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Civil Engineering, Principal

Paul Russell Road Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 l.f. of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. \$83,000

Wakulla County Board of County Commissioners, Spring Creek Highway Roadway Improvements*, Wakulla County, Florida (Project Manager)

Provided services for the reconstruction of 8.1 miles of County Road 365. Roadway improvements included increasing existing roadway lane width and rehabilitation of a major county roadway that had become severely degraded and required innovative design to bring the roadway up to present County standards. \$N/A

US 319 Alternative Corridor Study, Wakulla County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. This study identified and evaluated alternative north/south roadway corridors to help alleviate congestion on US 319 in rapidly growing Wakulla County and encompassed more than 62,000 acres. \$73,000

SR 85 Improvements (SR 397 to SR 85 North), Okaloosa County, Florida (Lead Engineer)

Responsible for overall drainage design and team management support. Stantec was contracted to widen SR 85 from an urban 4-lane road to a 6-lane roadway. Additional work includes access management modifications, signalization, drainage improvements, signing and pavement making, and safety items, in addition to permitting. \$500,000

Lake Henrietta Trailhead Development Services, Leon County, Florida (Lead Engineer)

Responsible for overall civil design, client interface and project and team management. The Lake Henrietta Trailhead serves as the initial phase in Leon County's greenway project. Stantec provided multiple services for the design of the trailhead facility that provides trail access, 10 vehicular parking spaces, pedestrian circulation, and layout of facilities. Planting and irrigation design was also provided. \$73,000

Hurricane Dennis Boardwalk Repair and Rebuilds, Walton County, Florida (Lead Engineer)

Responsible for overall civil design, client interface and project and team management. During the 2004 and 2005 hurricane seasons, Walton County had to rebuild and repair numerous public access wooden boardwalks as the direct result of storm surge and beach erosion. Several storms and hurricanes took their toll on wooden boardwalks, both in recovery and reconstruction costs. Designs met FBC and ADA requirements as well as FDEP CCCL guidelines and was fast-tracked for public safety. \$20,000

Lake Okeechobee Scenic Trail / Taylor Creek Waterway Analysis, Okeechobee County, Florida (Principal-in-Charge)

responsible for overall client interface and project and team management. The FDEP Office of Greenways and Trails contemplated building a new bridge across Taylor Creek at its outfall to Lake Okeechobee south of Lock S-193, with the bridge being a component of the Lake Okeechobee Scenic Trail (LOST). Primary components of the project include preparation of a waterway analysis recommended by the U.S. Coast Guard to determine the bridge's vertical clearance requirements. Ancillary components of the study included soliciting public input, evaluating bridge/trail permitting requirements, and evaluating bridge location/design options. \$25,000

Florida Department of Management Services, Capital Circle Office Center*, Leon County, Florida (Design Engineer)

Responsible for the Phase II addition that involved the site development of a 50-acre parcel in Tallahassee. Project infrastructure design included roadway, parking layout, stormwater collection and treatment, potable water distribution, and wastewater collection system. Assisted in the permitting and construction oversight and supervised staff in the preparation of construction plans, specifications, and permit applications. \$N/A

* denotes projects completed with other firms

Clyde E. Aiken PE

Contract Manager - Roadway Engineering



Mr. Aiken's corporate responsibilities include business development activities and management of transportation projects. He has extensive experience in permitting projects with federal, state, and local regulatory agencies. Mr. Aiken's skills include feasibility studies; conceptual, preliminary and final engineering; specification of materials and equipment; cost estimating; preparation of contract documents; and bidding and construction-phase services. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, 1997

REGISTRATIONS

Professional Engineer #58536, Florida

PROFESSIONAL ASSOCIATIONS

Member, National Society of Professional Engineers

Member, Institute of Transportation Engineers

Member, Florida Institute of Consulting Engineers

Member, Florida Engineering Society

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

City of Midway Sidewalks, Gadsden County, Florida
(Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This low-bid, design-build project for the Florida Department of Transportation was federally funded by the American Recovery and Reinvestment Act of 2009 (ARRA). Scope of work included survey and design for 1.66 miles of new sidewalk along CR 268/159 (Martin Luther King Blvd) and 0.75 miles of new sidewalk along Palmer Road. \$35,000

Apalachee Parkway Sidewalk Improvements, Leon County, Florida

Project Manager and Engineer-of-Record responsible for ongoing client and project coordination, account management, project scheduling, design, and production. Local Agency Program (LAP) project with the City of Tallahassee and FDOT District 3. Scope included the design and permitting of approximately 2,000 l.f. of new sidewalk along this major east-west thoroughfare. \$65,000

Glenview Drive Sidewalk Improvements, Leon County, Florida

Project Manager and Engineer-of-Record responsible for ongoing client and project coordination, account management, project scheduling, design, and production. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 4,400 feet of proposed sidewalk. \$55,000

Paul Russell Road Sidewalk Improvements, Leon County, Florida

Project Manager and Engineer-of-Record responsible for ongoing client and project coordination, account management, project scheduling, design, and production. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 l.f. of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. \$82,000

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida

Engineer responsible for civil project design, permitting, and project management support. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$72,000

* denotes projects completed with other firms

Clyde E. Aiken PE

Senior Project Manager

SR 104 Resurfacing, Rehabilitation, and Restoration from I-95 to US 17, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of 0.87 mile of 4-to-6-lane divided urban arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, contract plans and specifications. Design included new sidewalk facilities, minor safety improvements, and feasibility analysis for addition of bicycle facilities. \$295,000

Bradenton Beach Bike Lane Design, Manatee County, Florida

Engineer responsible for civil project design, permitting, and project management support. Stantec provided design, permitting and construction phase services for the City of Bradenton Beach for a bicycle lane project on Gulf Drive (SR 789). The project included design and permitting of 2.6 miles of bicycle lanes on Gulf Drive from 5th Street South and from 6th Street North to 27th Street North. The project was performed under the auspices of the FDOT Local Agency Program (LAP) paid for by Federal Transportation Enhancement Funds. \$25,000

Florida Keys Overseas Heritage Trail (FKOHT), Monroe County, Florida

Project Manager responsible for overall civil project design, permitting, scheduling, and account and project management support. The FDEP Office of Greenways and Trails contract for over 40 miles of the FKOHT is located within FDOT right-of-way for SR 5 / US-1. Stantec provided trail design and engineering, environmental permitting, surveying, and landscape design services for this Local Agency Program (LAP) project with the FDOT, entailing the construction of a new and innovative pedestrian/bicycle trail that will become part of the overall 106-mile trail system to run the length of the Florida Keys. \$1.8 million

Siesta Key Bicycle Lanes, Sarasota County, Florida

Engineer responsible for civil project design, permitting, and project management support. Stantec provided surveying, engineering design, permitting, utility coordination, contract documentation preparation, construction phase services, and public involvement for the construction of approximately 1.8 miles of four-foot wide bike lane along both sides of Higel Avenue and Ocean Boulevard. \$122,000

SR 189 Resurfacing, Rehabilitation, and Restoration from Roberts Blvd. to SR 397, Okaloosa County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey, public involvement, and design for resurfacing, rehabilitation, and restoration of about 5 miles of 4-lane divided urban arterial roadway with flush shoulders for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, ADA Compliancy Report, contract plans and specs. \$647,000

Central Sarasota Parkway - I-75 Interchange PD&E Study & Final Design, Sarasota County, Florida

Engineer responsible for preliminary roadway and drainage engineering for the PD&E Study, and Engineer-of-Record responsible for final roadway design and construction document preparation. Stantec conducted the Project Development and Environmental (PD&E) Study and final design on behalf of Sarasota County, Palmer Ranch, and the FDOT District 1. The interchange will complete the extension of Central Sarasota Parkway from Honore Avenue to I-75 and provide new access to and from the interstate for area residents. \$2.76 million

SR 104 Resurfacing, Rehabilitation, and Restoration from US 1 to I-295, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of over 2 miles of 2-lane undivided rural arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, Pavement Design Report, contract plans and specifications. \$338,000

Cattlemen Road - Fruitville Road Intersection Improvements, Sarasota County, Florida

Engineer responsible for civil project design, permitting, and project management support. Stantec led several engineering design teams to design and permit improvements to one of Sarasota's major intersections at Cattlemen and Fruitville Roads. The project involved a developer agreement with two developers and the County, and significant permitting issues through multiple permitting agencies. \$575,000

Christopher C. Roberts PE

Senior Project Manager, Traffic and Intersection Engineering



With significant experience in project management and the design of transportation projects throughout major metropolitan areas of Florida, Mr. Roberts offers considerable Interstate interchange and roadway design experience. He is an expert pertaining to complex project management, FDOT guidelines, and transportation solutions on the state, county, and local levels. He has been recognized for his innovative design resolutions as well as his resourceful and efficient project management. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of South Florida, Florida, 1998

Bachelor of Science, Social Science, Florida State University, Florida, 1994

Training:

- FDOT Advanced Work Zone Refresher Course, 2005
- Contract Estimating Systems, FDOT, 1999
- Guardrail for Designers, FDOT, 2002
- Training, Long Range Estimates, FDOT, 1999
- Training, Seasonal High Groundwater Evaluation, FDOT, 2003

REGISTRATIONS

Professional Engineer #60234, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Florida Institute of Consulting Engineers

PROJECT EXPERIENCE

George Road Widening, Hillsborough County, Florida (Transportation Engineer)

Responsible for project transportation engineering elements. This project included the widening of this access road to two major office parks in Tampa from a two-lane rural section to a four-lane divided urban section, including new mast arm traffic signals at intersections of Independence Parkway and Memorial Highway. Work included the relocation of electric transmission mains from dedicated easements to a new public right-of-way. \$275,000

CR 54 Extension and Improvements, Pasco County, Florida (Project Manager and Lead Transportation Engineer)

Responsible for oversight and coordination of all phases of roadway improvement. Stantec provided transportation engineering, structural engineering, and permitting services for the construction of CR 54 from SR 54 south to County Line Road (southern extension), a distance of approximately 1.5 miles, and for a 0.5-mile improvement to CR 54 north of SR 56 (northern extension). The southern extension design consists of the new construction of a four-lane urban section with major intersection design. The northern extension design calls for a rural, four-lane section expandable to a future six-lane section with turn lanes at two major intersections. \$515,000

SR 54 and SR 56 Improvements (US 41 to I-75), Pasco County, Florida (Lead Transportation Engineer)

Responsible for overall project transportation engineering elements. Stantec provided a traffic study, engineering, permitting, and preparation of construction plans for a three-mile section of SR 54 and a one-mile section of SR 56. The designs included the widening of existing four-lane rural sections to six-lane rural section with major drainage and intersection improvements and the widening of Cypress Creek Bridge. \$3.1 million

Vanderbilt Beach Road Extension (Collier Boulevard to Desoto Avenue), Collier County, Florida (Transportation Engineer)

Responsible for civil project design, permitting, and project management support. Stantec was retained as a sub-consultant to the project prime to provide transportation engineering and permitting services for capacity improvements to the 5.6-mile extension of Vanderbilt Beach Drive from Collier Boulevard to Desoto Road. Services also included preparation of Traffic Control Plans. \$55,000

* denotes projects completed with other firms

Christopher C. Roberts PE

Senior Project Manager

SR 52 Improvements and SEIR, Pasco County, Florida (Lead Transportation Engineer)

Responsible for overall project transportation engineering elements. Stantec provided engineering, permitting, and construction plans preparation for the reconstruction for two miles of an existing two-lane, undivided roadway to a proposed four-lane divided suburban roadway expandable to a future six-lane divided urban section, and all proposed drainage facilities designed to accommodate future lanes. The State Environmental Impact Study (SEIR) included studying alternative alignments, coordination with sub-consultants in preparation of the SEIR and associated reports, coordination with Pasco County and FDOT staff, hosting public meetings, and presentation before the Board of County Commissioners. \$1.6 million

SR 104 Resurfacing, Rehabilitation, and Restoration from I-95 to US 17, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of 0.87 mile of 4-to-6-lane divided urban arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, contract plans and specifications. Design included new sidewalk facilities, minor safety improvements, and feasibility analysis for addition of bicycle facilities. \$295,000

Downtown Tampa Interchange (I-275 and I-4 corridor)*, Hillsborough County, Florida (Lead Roadway Engineer)

Responsible for assisting the project manager in handling all "requests for information" from the contractor and CEI team for all post design activities related to this major interchange project. Major redesigns included ramp terminal detailing, variable height barrier wall design, and guardrail design. \$ N/A

Moccasin Wallow Road Study, Manatee County, Florida (Project Manager and Lead Roadway Engineer)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec prepared an alignment route study for a 1.48-mile segment of Moccasin Wallow Road to allow for future roadway widening. \$1.275 million

SR 104 Resurfacing, Rehabilitation, and Restoration from US 1 to I-295, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of over 2 miles of 2-lane undivided rural arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, Pavement Design Report, contract plans and specifications. \$338,000

I-275 Stage II from Himes Avenue to Downtown Tampa Interchange*, Hillsborough County, Florida (Project Manager and Lead Roadway Engineer)

Responsible for creating and managing the design of a 2.5-mile stretch of interstate through the heart of Tampa. The project includes eight commuter-distributor lanes with on and off ramps joined to adjacent frontage roadways, and four mainline through lanes. \$ N/A

SR 674 (Stanaland to Polk County Line), Hillsborough County, Florida (Project Manager)

Responsible for project transportation engineering elements for 7 miles of resurfacing, restoration, and rehabilitation improvements. The primary goal of the State Road 674 Stanaland to Polk County Line project is to extend the life of the existing pavement, address multi-modal considerations, and meet current safety requirements for the corridor. Stantec Survey, Transportation Design, and Natural Resources will all play a role in the successful completion of this job. \$142,000

North Ybor State Road 60 & Access Improvements, Tampa, Florida (Project Manager)

Responsible for project transportation engineering elements. As part of our North Ybor Channel Project, Stantec will develop roadway plans for access to the site from State Road 60 to the northern boundary of the property. The access crosses directly underneath the Selmon Expressway and therefore involves extensive coordination with the Tampa Hillsborough Expressway Authority for those easements. Other agencies having a stake in the project include the Florida Department Of Transportation and City of Tampa. \$171,500

* denotes projects completed with other firms

Molly C. Williams PE

Project Manager, Roadway Engineering



Ms. Williams' civil design experience includes innovative projects incorporating Low Impact Design (LID); design of stormwater management systems for public/private partnerships; analysis of GIS data to develop prioritization of stormwater infrastructure repair /replacement; and transportation projects. While holding the position of Stormwater Planning Section Supervisor for Sarasota County, Ms. Williams authored numerous Basin Master Plans and presented the plans to the Sarasota County Board of Commissioners for adoption. She is well versed in the review and analysis of FEMA floodplains and floodways throughout Southwest Florida. All dollar values are representative of fee.

EDUCATION

Maintenance of Traffic Plans Certification # TPA-AMOTR-23870, Florida Department of Transportation (FDOT), Tampa, Florida, 2005

Pipeline Assessment & Certification Program (PACP)/Manhole Assessment and Certification Program (MACP) Certification # U-310-10394, National Association of Sewer Service Companies (NASSCO), Sarasota, Florida, 2010

Bachelor of Science, Civil Engineering, University of Cincinnati, College of Engineering, Cincinnati, Ohio, 1993

REGISTRATIONS

Professional Engineer #54281, Florida; Professional Engineer #62271, Ohio

PROFESSIONAL ASSOCIATIONS

Member, Stormwater Environmental Utility Advisory Committee, Sarasota County

Member, Citizen's Oversight Committee for Public School Facility Planning, Sarasota County School Board

American Society of Civil Engineering, Scholarship Committee; Toothpick Bridge Committee; Suncoast Branch Webmaster; Member

AWARDS

2010 American Society of Civil Engineers Suncoast Branch, Engineer of the Year

2002 American Society of Civil Engineers Suncoast Branch, Government Engineer of the Year

PROJECT EXPERIENCE

Honore Avenue Improvements (Bee Ridge Road to Fruitville Road), Sarasota County, Florida (Project Engineer)

Responsible for stormwater management system design, permitting, and project management support. This design-build contract entails the 2.5-mile extension a critical missing link of one of the few north-south thoroughfares in the County. The result is the standard context for sensitive design and Low Impact Development strategies in the region. Innovative lane and median configuration saves more than 75% of the existing high value trees within the previously dedicated right-of-way. \$1 million

Honore Avenue - Phase V (Southern Terminus to SR 681), Sarasota County, Florida (Project Manager)

Responsible for stormwater management system design, permitting, and project management support. Stantec provided surveying, design, landscape architecture and permitting services for the construction of Honore Avenue from its current southern terminus to State Road 681. This 14,000 linear feet of new roadway is intended to serve future development parcels within Palmer Ranch and provide a critical alternative north-south roadway through central county. \$1.2 million

* denotes projects completed with other firms

Molly C. Williams PE

Project Manager, Civil Engineering

North Cattlemen Road, Roadway Improvement Project, Sarasota County, Florida (Project Engineer)

Responsible for the update of the Cooper Creek Watershed Model for revised existing conditions model and proposed conditions model. Accountable for the design and permitting of the stormwater management system for the North Cattlemen Road roadway improvements. \$1.1 million

Pinecraft Neighborhood Plan*, Sarasota County, Florida (Public Works, Sidewalk Program Coordinator)

Responsible for the development of conceptual safety improvements for a high pedestrian traffic area including modified road cross-section to widen sidewalks, mid-block crossings, and enhanced intersections. Provided support for public meetings and cost estimates for proposed improvements. Provided support during presentation to the Board of County Commissioners for the adoption of the plan. \$N/A

North Sarasota Neighborhood Plan*, Sarasota County, Florida (Public Works, Sidewalk Program Coordinator)

Responsible for the development of a sidewalk network to provide safe walking routes to schools for students of Booker Elementary School. Provided support for public meetings, cost estimates for proposed infrastructure improvements, and identified potential traffic calming locations. Provided support during presentation to the Board of County Commissioners for the adoption of the plan. \$N/A

Midnight Pass Road Project*, Sarasota County, Florida (Project Manager)

Responsible for the design and construction of three miles of four-foot wide bike lanes from Old Stickney Point Road to the southern terminus of Midnight Pass Road. Design began in July 2002 and construction was completed by December 2003. \$N/A

Regional Sidewalk Network Prioritization*, Sarasota County, Florida (Public Works, Sidewalk Program Coordinator)

Responsible for developing area-based sidewalk networks to provide safe walking routes to schools for students and enhance overall pedestrian mobility throughout Sarasota County. Sidewalk networks were designed to improve pedestrian access to public transportation, employment centers, shopping centers, and recreational facilities. Made two presentations to the Sarasota County Board of County Commissioners regarding the Sidewalk Network work plan and the plan was adopted by the Board in February 2005. \$N/A

Brentwood Elementary School Sidewalks*, Sarasota County, Florida (Project Manager)

Responsible for the design and construction of nearly three miles of sidewalk surrounding an elementary school with a waterline replacement project. Maintenance of pedestrian traffic was critical with over 75% of the school's students within a one-mile radius of the school. N/A

Clark Road and Honore Avenue Intersection, Sarasota County, Florida (Project Engineer)

Project Engineer for the update of the Little Sarasota Bay Watershed Model for the revised existing conditions model, final design, and permitting of the stormwater management system for the Clark Road and Honore Avenue intersection improvements. \$400,000

Proctor Road Roadway Improvements, Phase II, Sarasota County, Florida (Project Engineer)

Project engineer for Proctor Road roadway improvements between McIntosh Road and Honore Avenue and Bliss Road from Proctor Road to Wilkinson Road. The design includes widening of Proctor Road from two lanes to four lanes including bike lanes, landscaped medians, access management, lighting, sidewalks, and safety improvements on Wilkinson Road. \$700,000

US 301 Segment B Roadway Improvements, Manatee County, Florida (Drainage Engineer)

Drainage Engineer for US 301 Segment B roadway improvements between Erie Road and CR 675. The design includes a stormwater management plan utilizing five joint use ponds for widening of US 301 from two lanes to a six lanes, with pedestrian and bicycle access, and access management. The project was a public / private partnership requiring the development of joint pond agreements between FDOT, four private developments, and the Parrish Fire District. \$1.6 million

* denotes projects completed with other firms



Molly C. Williams PE

Project Manager, Civil Engineering



Jason W. Mosley

Senior Transportation Designer, Roadway Engineering



Mr. Mosley focuses on the production of plans for major highway projects. Using MicroStation, GEOPAK, and Descartes, he is responsible for plan production, survey coordination, utility coordination, drainage calculations, and horizontal-vertical geometry calculations. Mr. Mosley offers over 19 years of technical design experience. All dollar values are representative of fee.

EDUCATION

Advanced Maintenance of Traffic Plans, FDOT, University of Florida, Florida, 2001

Drainage, Site, and Survey, GEOPAK Training, Florida, 2000

Advanced, GEOPAK Training, Florida, 1995

Basic, GEOPAK Training, Florida, 1995

Associate of Arts, Computer Aided Drafting, Robert Morris College, Illinois, 1990

PROJECT EXPERIENCE

SR 189 Resurfacing, Rehabilitation, and Restoration from Roberts Blvd. to SR 397, Okaloosa County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey, public involvement, and design for resurfacing, rehabilitation, and restoration of about 5 miles of 4-lane divided urban arterial roadway with flush shoulders for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, ADA Compliancy Report, contract plans and specs. \$647,000

Intersection Improvements at Immokalee Road and Wilson Boulevard, Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec has been providing extensive transportation engineering services to Collier County to meet the growing traffic demands on local roadways. This intersection design required the extension of a double 10-foot by five-foot box culvert to accommodate the addition of left and right turn lanes and to provide adequate sight distances. \$50,000

I-75 6-Laning Design (Lucekett Road to SR 80), Lee County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec won the contract for services to design roadway improvements and bridge/structural improvements for a stretch of Interstate 75 from Lucekett Road to just south of SR80 including roadway design engineering, drainage, utility coordination, permitting, signing and pavement marking. I-75 is the main interstate highway system in Southwest Florida linking Lee and Collier counties to Tampa in the North and Miami to the East. \$1.8 million

SR 85 Improvements (SR 397 to SR 85 North), Okaloosa County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec was contracted to widen SR 85 from an urban 4-lane road to a 6-lane roadway. Additional work includes access management modifications, signalization, drainage improvements, signing and pavement making, and safety items, in addition to permitting. \$495,000

Golden Gate Parkway - Santa Barbara Boulevard Intersection Analysis, Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec was retained by the County to analyze the operational characteristics of the Golden Gate Parkway and Santa Barbara Boulevard intersection in order to improve the capacity and efficiency of traffic flow. Stantec performed the analysis and made recommendations for turn lane improvements and optimum signal timings. \$4.77 million

Melbourne Causeway Gateway, Brevard County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec designed the landscape and irrigation plan, which incorporated both salt- and drought-tolerant species to establish a low-maintenance design. The new design also maintains existing drainage conditions, incorporates FDOT highway safety criteria, and maintains public access for those who fish from the causeway. \$80,000

* denotes projects completed with other firms

Jason W. Mosley

Senior Transportation Designer

Golden Gate Parkway at Livingston Intersection Improvements, Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided final signalization design plans for the monotube structure - the first of its kind in Collier County. Due to the overall pavement width at the intersection, this traffic signal design project involved a study of the feasibility of cantilevered mast arm signalization supports versus a simply supported monotube structure. \$61,000

Business 41 (Littleton Road to US 41), Lee County, Florida (Lead Designer and Production Manager)

Responsible for project design oversight. Stantec provided the design for the reconstruction of 1.5 miles of two-lane rural collector to a four-lane divided arterial. Innovative designs were incorporated to minimize cost resulting in total project cost savings estimated at \$20 million. Design included signing and pavement marking, lighting, utility coordination, bridge replacement, stormwater improvements, and signalization. \$1.7 million

Ben Hill Griffin Parkway, Lee County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided the preliminary design, final design, and permitting for a six-lane roadway and the final design of an interim four-lane divided roadway from Alico Road to the south boundary of the Alico site, a distance of approximately 3.4 miles. \$975,000

SR 951 at Marco Island Bridge, Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. This project entailed engineering, surveying, and CEI services for the FDOT, District 1 for two new 1,600 foot-long bridge spanning Big Marco River on SR 951. Stantec is also responsible for environmental permitting for this new bridge that provides additional capacity for hurricane evacuation. Due to the close proximity of three environmentally protected estuaries, the lighting design required the incorporation of turtle/bird friendly lighting devices and design techniques. \$225,000

Vanderbilt Beach Road Extension (Collier Boulevard to Desoto Avenue), Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec was retained as a sub-consultant to the project prime to provide transportation engineering and permitting services for capacity improvements to the 5.6-mile extension of Vanderbilt Beach Drive from Collier Boulevard to Desoto Road. Services also included preparation of Traffic Control Plans. \$575,000

Vanderbilt Beach Road (US 41 to CR31 - Airport Pulling Road), Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec was responsible for the permitting, surveying, and final design of 2.3 miles of this arterial four-lane urban divided roadway. Construction of the Vanderbilt Beach Road corridor between Hammock Oak Drive and Airport Pulling Road completed a critical "missing link" of the Naples area transportation network. \$50,000

US 1 (SR 5) / Titusville Revitalization, Brevard County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. This project entails landscape design, restoration, and parking studies for the one-way pairs on US 1 through historic downtown Titusville. Stantec provided streetscape design, detailed construction documentation, and specifications for landscape, lighting, site furnishings, hardscape elements and signage. \$2 million

Orange Blossom Drive, Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided surveying, conceptual analysis, final design, and construction phase services for a turn lane, roadway overlap, sidewalk, drainage, signing/markings, and utility improvements size was one half mile long. \$206,000

Laurel Street, Lee County, Florida (Project Designer and Production Manager)

Responsible for technical design and plans production for 1.5 miles of sidewalk added to a rural roadway in Fort Myers, Florida. The design included piping the existing ditch. \$100,000

Robert J. Hunt

Senior Transportation Designer, Roadway Design



A senior level technical talent, Mr. Hunt lends his expertise to transportation design projects. His clients include several FDOT Districts, The Tampa Hillsborough County Expressway Authority, as well as transportation departments for Manatee, Sarasota, Collier, Hillsborough, Hernando, and Pasco counties. His experience includes the preparation of construction plans for several of the FDOT's major transportation corridors utilizing Microstation, GEOPAK Road and Site, AutoCAD, and ASAD. All dollar values are representative of fee.

EDUCATION

Associate of Science, Business Administration, State College of Florida, Bradenton, Florida, 2012

GEOPAK Drainage, Florida Department of Transportation, Florida, 2007

Advanced GEOPAK For Roadway Designers, Florida Department of Transportation, Florida, 2007

MicroStation XM, Bentley, Florida, 2008

Civil 3D Essentials, Cadd Centers of Florida, Florida, 2008

Microstation & GEOPAK V8i, Florida Department of Transportation, Florida, 2010

Training via FDOT:

- Specifications, 2010
- LRE Training, 2010
- Electronic Delivery 2009
- Traffic Plans, 2009

PROJECT EXPERIENCE

SR 674 Stanaland to Polk County Line, Hillsborough County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. The primary goal of the State Road 674 Stanaland to Polk County Line project is to extend the life of the existing pavement, address multi-modal considerations, and meet current safety requirements for the corridor. Stantec Survey, Transportation Design, and Natural Resources will all play a role in the successful completion of this job. \$142,000

SR 104 Resurfacing, Rehabilitation, and Restoration from I-95 to US 17, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of 0.87 mile of 4-to-6-lane divided urban arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, contract plans and specifications. Design included new sidewalk facilities, minor safety improvements, and feasibility analysis for addition of bicycle facilities. \$295,000

SR 104 Resurfacing, Rehabilitation, and Restoration from US 1 to I-295, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of over 2 miles of 2-lane undivided rural arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, Pavement Design Report, contract plans and specifications. \$338,000

SR 693 from Tyrone Boulevard to Park Boulevard, Pinellas County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. State Road 693 from Tyrone Boulevard to Park Boulevard (3.2 miles) is a Florida Department of Transportation District 7 Resurfacing, Restoration, and Rehabilitation (RRR) job located in Pinellas County. The improvements planned for this project consists of milling and resurfacing of SR 693, replacing damaged drainage structures and traffic signal loops, upgrading pedestrian and transit features to meet ADA requirements where feasible, and providing new pavement markings in conjunction with replacing of damaged or deteriorated signs. \$200,000

* denotes projects completed with other firms

Robert J. Hunt

Senior Transportation Designer

SR 600 (US 92) from Howard to County Line Road, Hillsborough County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec is responsible for the preparation of the design survey, including horizontal and vertical control, alignment, DTM creation, cross section gathering, right-of-way staking, drainage survey, and right-of-way control survey for a four mile section of SR 600 between Howard Avenue and County Line Road. \$590,000

Old Kings Road PD&E, Flagler County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec prepared the Project Development and Environment (PD&E) Study for the Old Kings Road (Flagler County) in compliance with Part 1, Chapter 11 of FDOT's "Project Development and Environment Manual. \$168,000

Vanderbilt Beach Road Extension (Collier Boulevard to Desoto Avenue), Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec was retained as a sub-consultant to the project prime to provide transportation engineering and permitting services for capacity improvements to the 5.6-mile extension of Vanderbilt Beach Drive from Collier Boulevard to Desoto Road. Services also included preparation of Traffic Control Plans. \$572,000

Citrus County Public Works Manual Update & Ordinance Review, Citrus County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. This project entailed the creation of a Transportation Technical Manual, including roadway and applicable standards, to be included in the overall Land Development Code for Citrus County for use in developing private and public projects. Stantec is also responsible for the creation of a Drainage Technical Manual, including residential lot drainage permit criteria that will govern the development of subdivisions, roadways, and commercial projects. \$162,600

FDOT Roadway Design, FDOT, District 1*, Florida (Lead Design Technician)

Provided client with roadway and drainage design and plans production assistance under direct supervisory of FDOT District 1 Project Managers. \$N/A

Moccasin Wallow Road Route Study, Manatee County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec prepared an alignment route study for a 1.48-mile segment of Moccasin Wallow Road to allow for future roadway widening. Project included studying alternative alignments, coordination with subconsultants in preparation of the route study, preparation of the study, coordination with Manatee County staff, hosting public meetings, and presentation before the Board of County Commissioners. \$1.275 million

CR 54 Extension and Improvements, Pasco County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided transportation engineering, structural engineering, and permitting services for the construction of CR 54 from SR 54 south to County Line Road (southern extension), a distance of approximately 1.5 miles, and for a 0.5-mile improvement to CR 54 north of SR 56 (northern extension). The southern extension design consists of the new construction of a 4-lane 4 section with 4 intersection design. \$512,000

SR 54 and SR 56 Improvements (US 41 to I-75, Pasco County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided a traffic study, engineering, permitting, and preparation of construction plans for a three-mile section of SR 54 and a one-mile section of SR 56. The designs included the widening of existing four-lane rural sections to six-lane rural section with major drainage and intersection improvements and the widening of Cypress Creek Bridge. \$3.1 million

State Road 52 Improvements and SEIR, Pasco County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Stantec provided engineering, permitting, and construction plans preparation for the reconstruction for two miles of an existing two-lane, undivided roadway to a proposed four-lane divided suburban roadway expandable to a future six-lane divided urban section, and all proposed drainage facilities designed to accommodate future lanes. The State Environmental Impact Study (SEIR) included studying alternative alignments, coordination with sub-consultants in preparation of the SEIR and associated reports, coordination with Pasco County and FDOT staff, hosting public meetings, and presentation before the Board of County Commissioners. \$1.7 million

* denotes projects completed with other firms

Brian J. Rose PE

Engineer, Roadway Design



Mr. Rose provides engineering support in the way of drainage design and water management district permitting for transportation projects involving the new design, widening, and rehabilitation of roadways. He has prepared drainage reports, permit packages and has assisted in production of project plans for FDOT District 1, Collier County and the City of Fort Myers. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Central Florida, Orlando, Florida, 2010

REGISTRATIONS

Professional Engineer #71549, State of Florida

PROJECT EXPERIENCE

23rd St. SW (Golden Gate Blvd. to White Blvd.), Collier County, Florida (Engineer)

Responsible for the drainage design, water management district permitting and assisted in production of project plans for Collier County. Proposed construction for 23rd St. SW included roadway widening and sidewalks. Stantec was requested to provide the roadway and drainage design for the proposed roadway as well as obtain the Water Management District permit. \$N/A

SR 29/Lake Trafford Road Intersection Improvements, Collier County, Florida (Engineer Intern)

Responsible for the drainage design, water management district permitting and assisted in production of project plans for Collier County. SR 29 and Lake Trafford Road were improved with right turn lanes and sidewalks. Stantec was requested to design the roadway and drainage systems and obtain the required Water Management District permit. \$200,000

I-75 Drainage (Lockett Road to SR 80), Lee County, Florida (Engineer Intern)

Responsible for assisting in drainage design and plans preparation for the FDOT, District 1. \$150,000

Business 41 (Littleton Road to US 41), Lee County, Florida (Engineer Intern)

Responsible for the drainage design, water management district permitting and assisted in production of project plans. Stantec provided the design for the reconstruction of 1.5 miles of two-lane rural collector to a four-lane divided arterial. Innovative designs were incorporated to minimize cost resulting in total project cost savings estimated at \$20 million. Design included signing and pavement marking, lighting, utility coordination, bridge replacement, stormwater improvements, and signalization. \$1.7 million

I-75 6-Laning Design (Lockett Road to SR 80), Lee County, Florida (Engineer Intern)

Responsible for the drainage design, water management district permitting and assisted in production of project plans. Stantec won the contract for services to design roadway improvements and bridge/structural improvements for a stretch of Interstate 75 from Lockett Road to just south of SR 80 including roadway design engineering, drainage, utility coordination, permitting, signing and pavement marking. I-75 is the main interstate highway system in Southwest Florida linking Lee and Collier counties to Tampa in the North and Miami to the East. \$1.8 million

Vanderbilt Beach Road Extension (Bay Laurel Drive to Airport-Pulling Road), Collier County, Florida (Engineer Intern)

Responsible for the water management district permitting and assisted in production of project plans for Collier County. Vanderbilt Beach Road was being widened from a 4-lane roadway to a 6-lane roadway and Stantec was requested to assist Collier County in obtaining the Environmental Resource Permit package process. \$572,000

SR 417 Expansion*, Seminole County, Florida (Assistant Engineer)

Assisted the engineer in subsurface exploration and remediation such as demucking, settlement plates, Limerock bearing ratio tests, densities, etc. for approximately three miles of four-lane highway with toll booths for the FDOT, District 5. \$N/A

* denotes projects completed with other firms

Theresa R. Carron

Project Manager, Roadway Engineering



Ms. Carron provides valuable technical support for civil engineering, survey, environmental, and GIS projects throughout Florida. She is responsible for managing various projects for the Florida Department of Environmental Protection (FDEP). Her background includes technical writing, marketing, presentations, fiscal management, coordination, and scheduling. All dollar values are representative of fee.

EDUCATION

Bachelor of Arts, Business Administration, Flagler College, Saint Augustine, Florida, 2002

Professional Education Center, Project Management for Engineers, US, 2006

PROFESSIONAL ASSOCIATIONS

Member, American Public Works Association

AWARDS

2002 Departmental Award for The School of Business, Flagler College

PROJECT EXPERIENCE

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida (Lead Designer)
Responsible for plans production including 'raw' survey data processing, conceptual plans production, and preliminary, on-site research. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$72,000

Chipola River, Jackson County, Florida (Task Manager)
Responsible for design support and plans production. Stantec provided multiple services for this 439-acre rural North Florida subdivision, including roadway, stormwater management, and private potable water supply system design. \$590,000

Dempsey Mayo Sidewalk Improvements, Leon County, Florida (CAD Designer)

Responsible for plans production including 'raw' survey data processing, conceptual plans production, and preliminary on-site research. Production utilized FDOT Design Standards for crosswalks, pavement markings, intersection site distance calculations, and ADA ramp design. In a continuing effort to improve public safety, Leon County contracted Stantec for professional design and permitting services for the construction of new sidewalks along Dempsey Mayo Road from Miccosukee Road to Mahan Drive (US 90) for approximately 5,000 feet. \$30,000

Honore Avenue Phases I-IV (S.R. 681 to Palmer Ranch Parkway), Sarasota County, Florida (CAD Designer)

Responsible for assisting with editing plans and profiles. Also created cross section drawings. Stantec provided surveying, design, and permitting services for the construction of Honore Avenue from State Road 681 to Palmer Ranch Parkway. This 5-mile stretch of new roadway is designed to serve as a major County north-south arterial and as access to development parcels within Palmer Ranch. \$1 million

Paul Russell Road Sidewalk Improvements, Leon County, Florida (CAD Designer)

Responsible for plans production including conceptual plans production and preliminary, on-site research. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 l.f. of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. \$82,000

* denotes projects completed with other firms

Theresa R. Carron

Project Manager

SR 85 Improvements (SR 397 to SR 85 North), Okaloosa County, Florida (CAD Designer)

Responsible for incorporating historic data into compliance with FDOT CADD Standards by utilizing MicroStation V8, GEOPAK, and FDOT's proprietary QA/QC software. Stantec was contracted to widen SR 85 from an urban 4-lane road to a 6-lane roadway. Additional work includes access management modifications, signalization, drainage improvements, signing and pavement making, and safety items, in addition to permitting. \$500,000

University Parkway - I-75 Interchange Improvements Design, Sarasota County, Florida (CAD Designer)

Responsible for assisting with editing plans and profiles. Stantec provided the design of a \$9 million improvement to an existing I-75 interchange with an annual average daily traffic (AADT) volume of 40,000 vehicles per day. The project included the addition of new turn lanes and travel lanes, widening; milling and resurfacing of 30,000 square yards of pavement; signalization; pavement markings; and bicycle lanes. \$295,000

Florida Turnpike Projects*, Multiple Sites, Florida (Graphic Artist/CAD Technician)

Instrumental in preparing traffic studies, traffic counts, and presentations for public hearings, and the published notices for multiple projects. Created project maps used on the Turnpike's Internet site. Developed graphics and assisted in the design and editing for the Turnpike's Comprehensive Annual Report. This report earned the Government Finance Officers Association of the United States and Canada (GFOA) Certificate of Achievement for Excellence in Financial Reporting. Worked with The Department of Toll Operations' SunPASS Prepaid Toll Program by editing photographs to reflect electronic toll collection instrumentation. \$N/A

Black Creek Bridge Rehabilitation, Leon County, Florida (CAD Designer)

Responsible for plans production. Services for various improvements to this County bridge were provided including replacement of pilings, jurisdictional wetland delineations, protected species surveys, mapping/characterization of habitats, project plans preparation, permitting (Leon County, FDEP, USACE), and preparation of a Biological Evaluation/Environmental Assessment for the National Park Service. The bridge is located in the Apalachicola National Forest thereby further requiring approval of the work by the US Forest Service. \$32,000

Cedar Point Boat Ramp and Pier, Duval County, Florida (Task Manager)

Responsible for oversight of specific project activities. The Cedar Point Boat Ramp and Pier is a public boat ramp to access Horseshoe Creek. Stantec provided the structural design of the facility's concrete boat ramp and timber pier. \$22,000

Foxwood Creek Residential Subdivision, Okaloosa County, Florida (Task Manager)

Responsible for plans production. Project included approximately 60 residential lots on 52 acres, associated roadway and stormwater infrastructure, and a recreational trail. Wetland impacts were less than a half-acre and included culverted and bridged roadway crossings. \$184,000

Lindsey Island, Taylor County, Florida (Task Manager)

Responsible for limited site design and plans production. This amendment to the Taylor County Comprehensive Plan allows for a 10-acre residential subdivision and located within 92-acres of coastal property. Jurisdictional wetlands were addressed and a preliminary mitigation assessment was prepared. \$203,000

* denotes projects completed with other firms

Rolando E. Saenz EI

Engineer Intern, Roadway Engineering



Mr. Saenz brings his knowledge and expertise to several transportation projects. His responsibilities include overseeing, directing, supervising, and coordinating the production process and preparation of highway construction plans using FDOT, FHWA, and AASHTO design standards. His projects include multi-lane reconstruction, approach work for bridge replacement, intersection improvements, and rehabilitation, restoration, and resurfacing (RRR) projects, including signalization, lighting, and signing and pavement marking plans. In addition, he prepares and maintains project scopes, schedules and forecasts of production readiness dates, staff-hours, and budget administration, as well as being responsible for technical documentation reports, typical section packages, pavement design packages, calculating quantities, preparing computation books, and cost estimates. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Louisiana at Lafayette, College of Engineering,, Lafayette, Louisiana, 1998

Certification, Advanced Maintenance of Traffic, FDOT, 2010

Training via FDOT and FHWA:

- CAD Production Applications, FDOT, 2006
- Electronic Delivery, FDOT, 2003
- Highway Capacity Course, FHWA, 2003
- Project Management, FDOT, 2006
- Roadside Design Guide, AASHTO, 2000
- Supervisor Academy, FDOT, 2005

REGISTRATIONS

Engineering Intern #LA22029, State of Louisiana

PROFESSIONAL ASSOCIATIONS

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

SR/CR 581 (Bruce B. Downs Blvd.), Hillsborough County, Florida (Roadway Designer)

Responsible for Level III Maintenance of Traffic plans on a 4 mile multi-lane reconstruction roadway. The project consists of the reconstruction of an existing two-lane rural roadway to six-lane divided highway. \$65,000

SR 693 (Tyrone Blvd. to Park Blvd.), Pinellas County, Florida (Deputy Project Manager)

Responsible for QA/QC, engineer's cost estimate, pavement design, typical section packages, design documentation, and construction plans preparation for the pavement restoration of SR 693 from Tyrone Blvd. to Park Blvd. including ADA improvements and minor drainage modifications. \$N/A

SR 104 Resurfacing, Rehabilitation, and Restoration from I-95 to US 17, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of 0.87 mile of 4-to-6-lane divided urban arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, contract plans and specifications. Design included new sidewalk facilities, minor safety improvements, and feasibility analysis for addition of bicycle facilities. \$295,000

SR 104 Resurfacing, Rehabilitation, and Restoration from US 1 to I-295, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of over 2 miles of 2-lane undivided rural arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, Pavement Design Report, contract plans and specifications. \$338,000

* denotes projects completed with other firms

Rolando E. Saenz

Engineer Intern

CR 54 North (Wesley Chapel) & CR 54 Extension (Segments 1 & 2), Pasco County, Florida (Roadway Designer)

Responsible for peer review, QA/QC, engineer's cost estimate, pavement design, typical section packages, design, and plans preparation assistance for the extension of CR 54 from north of County Line Road to Hyde Park Blvd. The design consisted of reconstruction of the existing a four-lane rural section to a six-lane divided rural divided section north of SR 56 and the new construction of a four-lane urban section with major intersections design south of SR 56. \$500,000

SR 56 and SR 54 Improvements (US 41 to I-75), Pasco County, Florida (Roadway Designer)

Responsible for peer reviews, QA/QC, engineer's cost estimate, pavement design, typical section & pavement design package addenda, and design and plans preparation assistance, construction administration of design related subjects, shop drawings review, contractors and CEI assistance during construction, assistance during permitting process, providing design revisions for a four-mile section of SR 54 & 56 from U.S. 41 to the I-75 interchange. The design included the widening the existing four-lane rural section to a six-lane rural section with major intersection improvements and the widening of Cypress Creek Bridge. \$3.2 million

SR 41 (U.S. 301 from South of Tampa Bypass Canal to North of Fowler Avenue)*, Hillsborough, Florida (FDOT Project Manager)

Responsible for the reconstruction of a two mile multi-lane suburban roadway. The project consists of the reconstruction of an existing two-lane rural roadway to four-lanes, and includes the reconstruction of a bridge structure over the Tampa Bypass Canal and right-of-way acquisition. Total project cost is \$33 million. \$26,000

SR 574 (M.L.K. at Sammonds Road/C.R. 574A)*, Hillsborough, Florida (FDOT Project Manager)

Responsible for an intersection safety improvement project consisting of reconstructing and realigning the existing Y-intersection into a T-intersection. \$183,000

SR 54 (Mitchell Boulevard to Gunn Highway)*, Pasco, Florida (FDOT Project Engineer)

Responsible for a 4.7-mile multi-lane reconstruction project entailing the widening of two-lanes of rural roadway to six-lanes of urban arterial roadway. Total project cost is \$18 million and included right-of-way acquisition. \$N/A

SR 699 (Gulf Boulevard from 97th Avenue to 105th Avenue)*, Pinellas, Florida (FDOT Project Engineer)

Responsible for the rehabilitation, restoration, and resurfacing (RRR) of 0.8 miles of roadway that included widening and sidewalk enhancements. \$N/A

SR 45 (U.S. 41 from North of Orange Avenue to Watson Street)*, Citrus, Florida (FDOT Project Engineer)

Responsible for 2.6 miles of rehabilitation, restoration, and resurfacing (RRR) that included shoulder widening and profile correction with overbuild. \$N/A

SR 580 (Bush Boulevard)*, Hillsborough, Florida (FDOT Project Engineer)

Responsible for the rehabilitation, restoration, and resurfacing (RRR) of a roadway project that consisted of vertical alignment correction due to the settlement of railroad tracks at crossing. \$N/A

SR 44 (U.S. 41 to C.R. 470)*, Citrus, Florida (FDOT Project Engineer Assistant)

Assisted with the reconstruction of 3.5 miles of urban roadway consisting of the widening of two-lanes of rural roadway to a four-lane, divided urban roadway and was responsible for pavement marking plans. The project also included the reconstruction of bridges over the Withlacoochee State Trail and Henderson Canal, and right-of-way acquisition. The total project cost was \$16 million. \$N/A

SR 699 (Gulf Boulevard) Fast Response*, Pinellas, Florida (FDOT Project Engineer and Project Manager)

Fast response project consisting of the replacement of the existing shoulder and sidewalk with pervious material on some areas of SR 699 to alleviate flooding problems. This was a pilot project for the FDOT, District VII. \$N/A

* denotes projects completed with other firms

B. Experience with Projects of a Similar Type and Size

WilsonMiller Stantec has gained a comprehensive understanding of the many environmental, social, and community issues that can influence the viability of Roadway solutions.

From the management of numerous Roadway projects across North America, our collaborative approach, supported by a network of specialists, sophisticated analysis techniques, and computer simulation models, allows us to identify and explore a wide variety of alternative options and improvements.

Our impressive portfolio includes public and private sector clients, and our array of services include: community/long range transportation plans, public participation consultation, interchange planning and design, infrastructure management, pavement maintenance/rehabilitation, economic analysis & feasibility studies, safety reviews/audits, traffic signals and signage, and traffic impact assessments.

At WilsonMiller Stantec we enjoy a reputation for high quality service delivery. Through our people, best practices, partnerships, and technology, we support the delivery of projects varying in size and complexity and provide our clients with first-rate results.

Services we provide under Roadway Design include:

- Roadway additions and improvements
- Sidewalk design
- Bike and pedestrian pathway design
- Drainage and treatment
- Expert witness services
- Right-of-way acquisition
- Construction support services
- Construction engineering inspection
- Surveying and mapping

George Road Widening, Hillsborough County, Florida; City of Tampa, Jim Burnside, 813.274.8054; Completed 2007



The City of Tampa selected WilsonMiller Stantec to provide civil engineering services for the widening of George Road and improvements of its intersections with Independence Parkway and Memorial Highway. WilsonMiller Stantec provided designs to widen approximately 2,000 linear feet of George Road from a two-lane rural roadway to a four-lane divided urban roadway with a raised median and major stormwater management system. Turn lanes were also added on Independence Parkway and Memorial Highway to improve access and traffic flow. Signalization was also upgraded to meet increasing traffic flows.

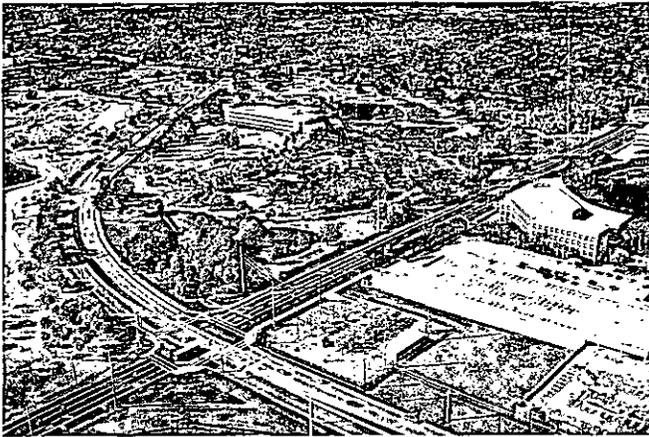
WilsonMiller Stantec assisted the City of Tampa with right-of-way acquisitions during the design process. The existing stormwater infrastructure was insufficient to route the widening therefore the system had to be improved. Multiple offsite stormwater cross-drains had to be accommodated and existing ditches improved to correct existing offsite flooding. More than



1,600 linear feet of drainage pipe between 18-inch and 24-inch in diameter and equivalent elliptical sizes were installed along with 32 structures which were added or modified. Two wet detention ponds were constructed to provide the required treatment and attenuation. An existing dry pond was modified to increase its capacity. The stormwater system was designed within an easement to be maintained by the City of Tampa.

WilsonMiller Stantec coordinated the improvements with four different communications companies, the electric utility, and water and sewer providers. A portion of overhead electrical transmission mains were relocated from easements to the public right-of-way. Overhead communication lines were relocated underground in single and quadruple duct banks along nearly 1,800 linear feet of the roadway.

The project team was also required to coordinate with both the City of Tampa and Hillsborough County as parts of the improvements are located within both jurisdictions. The project needed to be coordinated with FDOT and the Florida Turnpike due to proximity of the proposed improvements to Veterans Expressway. Funding for the project was provided through a grant requiring that a strict schedule was followed. WilsonMiller Stantec provided the preliminary engineering to develop the typical section and the right-of-way requirements, surveying, full engineering and design, permitting, and construction administration services for the proposed improvements. WilsonMiller Stantec also functioned as the liaison with the private property owners as well as Tampa Electric in coordination of the proposed improvements, and negotiation of the right-of-way and easement takes. Right-of-way maps and easement descriptions and sketches were also prepared. Key staff: Dave Kemper, PE; Hamid Sahebkar, PE; Civil Engineer; Chris Roberts, Roadway/Transportation Engineer.



SR 54/56 Improvements, Pasco County, Florida; Pasco County, Shirley McCrary FDOT Project Manager, 813.975.6166; Completed 2007

WilsonMiller Stantec provided a traffic study, engineering, permitting, and preparation of construction plans for a three-mile section of SR 54 from US 41 east to the intersection of SR 54 and CR 54. The design provided for the widening of the existing four-lane divided rural section to a six-lane divided rural section with widening to take place towards the median. The improvements also included addition of left turn and right turn lanes in order to accommodate traffic demands, two major intersection/signal modifications at Oak Grove and Collier Parkway, and the widening of the Cypress Creek Bridge.

The George Road Widening project included:

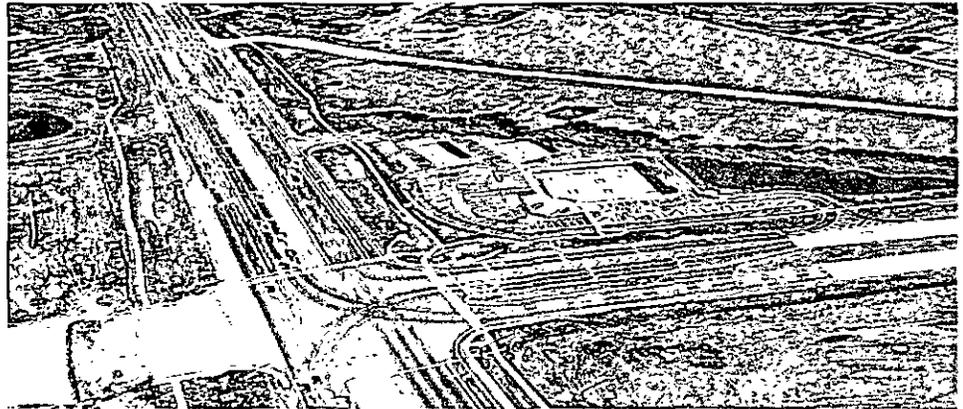
- Roadway widening
- Addition of turn lanes
- Drainage improvements
- Signalization improvements
- Access management considerations
- Achieved overall goal of improving access and traffic flow

Section 2 – Specific Work Category - B. Experience

WilsonMiller Stantec provided a traffic study, engineering, permitting, and preparation of construction plans for a one-mile section of SR 56 from the intersection of SR 56 and CR 54 to the I-75 interchange. The design included the widening of an existing four-lane divided rural section to six-lane divided rural section (widening to inside and outside) with major drainage improvements. The improvements also included two major intersections with triple lefts and designated rights for all four movements.

The projects were let for construction together and therefore were submitted and proceeded along the same schedule but as two separate and distinct projects. The Florida Department of Transportation terms these projects as “goes with” projects. WilsonMiller Stantec also prepared a major modification to the existing PD&E study. Both projects underwent an intensive access management evaluation requiring public outreach during the PD&E modification. Both projects required extensive coordination with FDOT and Pasco County staff as well as stormwater and environmental permitting agencies. Key staff: Dave Kemper, PE; Hamid Sahebkar, PE; Civil Engineer; Chris Roberts, Roadway/Transportation Engineer.

SR 54/56 Improvements required intensive access management evaluation requiring public outreach as well as coordination with FDOT and Pasco County staff.



City of Tallahassee Sidewalk Improvements, Leon County, Florida; City of Tallahassee Public Works, Allen Secrest, 850.891.8273; Completed 2008

Sidewalk Improvements – Glenview Drive

The City of Tallahassee retained WilsonMiller Stantec to design and prepare contract plans and documents for the construction of approx. 4,400 feet of proposed sidewalk along Glenview Drive. The project is part of the City's Residential Sidewalk Program. Glenview Drive is a local residential street that provides access to principle arterial roadways, Monroe Street and Thomasville Road; and minor arterial roadway, Meridian Road. WilsonMiller Stantec's professional scope of services includes preliminary and final engineering design to include plans, specifications and cost opinions necessary to accomplish construction of the project.

The project provided several challenges including compliance with ADA design criteria in an area with considerable topographic relief; compliance with the City's strict Tree Protection Ordinance; minimization and avoidance of utility conflicts; and designing around right-of-way constraints.



Sidewalk Improvements – Apalachee Parkway

This project entails the construction of approximately 2,100 linear feet of ADA compliant sidewalk located in the right-of-way on the south side of the Apalachee Parkway Corridor. The main goal of this project is to promote sidewalk connectivity from Blairstone Road to Paul Russell Road. The project also includes utility adjustments, supporting structures such as gravity wall and guide rail and stormwater modifications/improvements. Key staff: Chris Brockmeier, Principal; Ted Aiken, Roadway/Transportation Engineer; Theresa Carron, Engineering Design.

Buck Lake Sidewalk Improvements, Leon County, Florida; Leon County BOCC, Kim Wood, 850.606.1500; Completed 2006

The Leon County Board of County Commissioners, via the County's Public Works Division, decided to construct new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee along certain County-maintained roadways contained within County rights-of-way. This particular project involved constructing new sidewalks as follows: along the east side of Pedrick Road beginning at Pedrick's intersection with Crosswinds Drive and continuing northward for roughly 3,500 feet; along the east side of Walden Road beginning at Walden's intersection with Buck Lake Road and continuing northward approximately 6,600 feet, and; along the north side of Buck Lake Road beginning at the Pedrick Road intersection and continuing eastward to the Walden Road intersection.

The primary purpose of the project was to improve public safety. The new sidewalks provide safer passage for area children walking to local schools and for others (pedestrians, bicyclists, etc.). These sidewalks also help reduce trips on the local road network by providing the public with an alternative means of reaching area destinations vs. driving. The project consisted of, but was not limited to, the preparation of a complete set of sidewalk construction plans showing horizontal and vertical geometry, existing right-of-ways, drainage improvements and grading requirements, signing and marking details. In addition, the work included the structural design of a boardwalk crossing, structural design of a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. Key staff: Chris Brockmeier, Principal; Theresa Carron, Engineering Design; Matthew Crim, Transportation Planner; James Gerth, Engineering Design.

State Road 189, Okaloosa County, Florida; Florida Department of Transportation District 3, Alaina Webb, EI, 850.415.9447; Completed 2010

WilsonMiller provided the Florida Department of Transportation with design services for the resurfacing, restoration, and rehabilitation of almost 5 miles of four lane divided urban arterial with flush shoulders. The project is located in Okaloosa County and the City of Fort Walton Beach. Our services included analyzing the corridor for compliance with the Department's design criteria; evaluating the access management; conducting a safety and crash analysis; addressing substandard items; performing an ADA compliancy survey;

WilsonMiller Stantec:

worked with Leon County

previously to provide roadway enhancements. For the Buck Lake improvement project, we:

- Design showing horizontal and vertical geometry, existing right-of-ways, drainage improvements/grading requirements and signing and marking details
- Structural design of a boardwalk crossing
- Structural design of a prefabricated steel bridge
- Data collection
- Design surveys
- Utility coordination
- Cost estimates
- Quality control reviews

Section 2 – Specific Work Category - B. Experience

conducting a public workshop and coordinating with local governments; and designing milling and resurfacing, signing and pavement markings, and signalization. Included in the scope of the signing and pavement markings were upgrades to accommodate the designation of the paved shoulders as bicycle lanes. Key staff: Chris Brockmeier, Principal; Ted Aiken, Project Manager.

The challenges of Paul Russell Road Sidewalk Additions project included:

- Compliance with ADA design criteria in an area with considerable topographic relief
- Compliance with the City's strict Tree Protection Ordinance
- Minimization and avoidance of utility conflicts
- Designing around right-of-way constraints

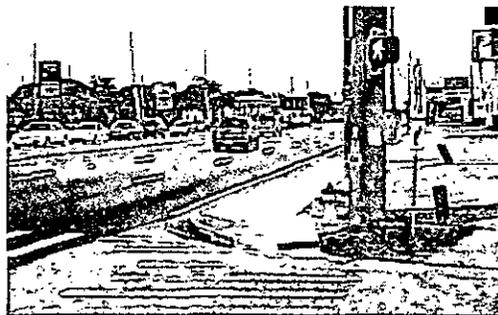
Paul Russell Road Sidewalk Additions, Leon County, Florida; City of Tallahassee Public Works, Allen Seceast, 850.891.8273; Completed 2008

The City of Tallahassee retained WilsonMiller Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 linear feet of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. Paul Russell Road is a north/south Minor Collector Roadway that provides access to a principle arterial roadway, Apalachee Parkway; a minor arterial roadway, Old St. Augustine Road; and a minor collector roadway, Monday Road. WilsonMiller Stantec's professional scope of services includes preliminary and final engineering design to include plans, specifications and cost opinions necessary to accomplish construction of the project.

This project provided several challenges including compliance with ADA design criteria in an area with considerable topographic relief; compliance with the City's strict Tree Protection Ordinance; minimization and avoidance of utility conflicts; and designing around right-of-way constraints. Key staff: Chris Brockmeier, Principal; Ted Aiken, Roadway/Transportation Engineer; Theresa Carron, Engineering Design; James Gerth, Engineering Design.

State Road 693, Pinellas County, Florida; Florida Dept. of Transportation, District 7, Stephanie Pierce, 813.975.6177; Completed 2010

State Road 693 from Tyrone Boulevard to Park Boulevard (3.2 miles) is a Florida Department of Transportation District 7 Resurfacing, Restoration, and Rehabilitation (RRR) job located in Pinellas County. The improvements planned for this project consists of milling and resurfacing of SR 693, replacing damaged drainage structures and traffic signal loops, upgrading pedestrian and transit features to meet ADA requirements where feasible, and providing new pavement markings in conjunction with replacing of damaged or deteriorated signs.

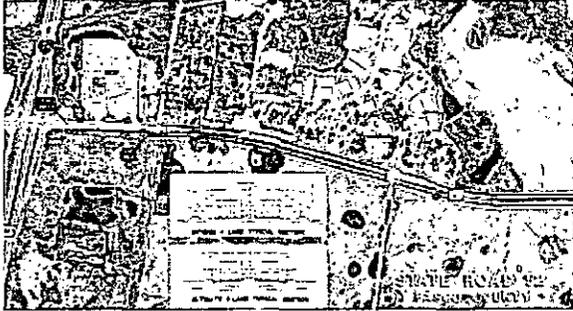


WilsonMiller Stantec was responsible for all facets of design including pavement design, signing and pavement marking design, analysis of substandard safety concerns, and adjacent land owner coordination. WilsonMiller Survey directed the photogrammetric

Section 2 – Specific Work Category - B. Experience

subconsultant, conducted all field topographic survey, and prepared Right-of-Way Control Survey for the entire project.

The project also requires extensive coordination with City of St. Petersburg and Pinellas County on improvements throughout corridor as well as PSTA as the transit authority. Key staff: Chris Roberts, Roadway/Transportation Engineer;



State Road 52, Pasco County, Florida; Florida Department of Transportation, Gordona Jovanovic, 813.975.6076; Completed 2007

This project is located on State Road 52 east of I-75 to 0.5 miles east of Emmaus Cemetery Road; a distance of approximately 1.5 miles. The roadway link will become part of a major East/West arterial with both residential and commercial development adjacent to the site.

WilsonMiller Stantec was selected to provide transportation engineering, permitting, and construction plans preparation for the reconstruction of an existing two-lane, undivided roadway to a proposed four-lane divided suburban roadway expandable to a future six-lane divided urban section with future widening to take place to the outside. All proposed stormwater ponds were designed to accommodate the future six-lane section. The interim 4-lane suburban section called for open swale conveyance design while the ultimate six-lane section called for a closed system urban curb and gutter design.

WilsonMiller Stantec prepared right-of-way maps, and was additionally responsible for the preparation and processing of a State Environmental Impact Study (SEIR), including an alternate alignments study, coordination with sub-consultants in preparation of the SEIR and associated reports, coordination with Pasco County and FDOT staff, hosting public meetings, and presentation before the Board of County Commissioners.

WilsonMiller Stantec assisted in all facets of right-of-way acquisition and negotiation and worked closely with FDOT, Pasco County and adjacent property owners to facilitate interests of all parties.

WilsonMiller Stantec prepared right-of-way maps, and was additionally responsible for the preparation and processing of a State Environmental Impact Study (SEIR), including an alternate alignments study, coordination with sub-consultants in preparation of the SEIR and associated reports, coordination with Pasco County and FDOT staff, hosting public meetings, and presentations before the Board of County Commissioners.

Section 2 – Specific Work Category - B. Experience

B. Experience With Projects of a Similar Type and Size

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

We are currently under the following contracts that demonstrate our experience in the Roadway Design category:

Project Name
Bald Point Construction Close-Out
SR 104 from I-95 to US17
SR 104 from US1 to I-295
SR189 from Roberts Boulevard, FDOT
Group 11-02 Resurfacing, FDOT
Santa Clara and Willow Street Construction Administration

Our vast experience working together on local, state, and federal transportation design projects has equipped us to perform at a very high level of technical competency and efficiency for Leon County on this contract. See the full response for the agencies that we have relationships working with on previous projects.

3/4. Describe the Firm's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for Roadway Design.

There are numerous resources, guidelines, standards, codes, and regulations that are applicable to the field of Roadway Design. Our staff are highly experienced at applying the standards, codes, and regulations that are unique to our discipline. During negotiations of a task assignment, our Project Manager will involve key personnel on the project in the identification of applicable standards, codes, and regulations, based on the assignment's unique scope of work. We will communicate these project requirements to the County's Project Representative. When there may be a conflict between standards or more than one standard applies, we will work cooperatively with the County to select the most appropriate standards for the project. A partial list of standards, codes, and regulations that may be applicable to task assignments under this contract include, but are not limited to the following:

- Local Government
 - o Tallahassee-Leon County Comprehensive Plan
 - o Leon County Land Development Code
- Northwest Florida Water Management District
 - o Environmental Resource Permitting Rules (Chapter 62-346, F.A.C.)
 - o Noticed General Environmental Resource Permits (Chapter 62-341, F.A.C.)
 - o Applicant's Handbook Volume I, Applicant's Handbook Volume II
- Florida Department of Transportation
 - o Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System
 - o Standard Specifications for Road and Bridge Construction
 - o Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways (Florida "Greenbook")
 - o Plans Preparation Manual



- o Flexible Pavement Design Manual
- o Drainage Manual and Handbooks
- o Bicycle Facilities Planning and Design Handbook
- o Median Handbook |
- AASHTO
 - o A Policy on Geometric Design of Highways and Streets (“Greenbook”)
 - o Roadside Design Guide
 - o Highway Safety Manual
 - o Guide for the Development of Bicycle Facilities
 - o Guide for the Planning, Design, and Operation of Pedestrian Facilities
- Federal
 - o Manual on Uniform Traffic Control Devices (MUTCD)
 - o Americans with Disabilities Act Accessibility Guidelines (ADAAG)

5. Describe the 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.

The following is a partial list of software and equipment we may use in the efficient execution of task assignments for Roadway Design and Traffic and Intersection Engineering Services.

- CADD
 - o AutoCad and Microstation CADD
 - o Land Desktop and Civil 3D
 - o Geopak
 - o AutoTurn
- Scheduling
 - o Microsoft Project 2003
- Word Processing, Spreadsheets, Databases, Presentations
 - o Microsoft Office 2007 Software
- Roadway Inventories / No Passing Zone Studies
 - o Jamar RAC+III DMI with WINRAC Plus Software
- Roadside Safety Analysis Program, RSAP
- Interactive Highway Safety Design Model, IHSDM-HSM

We have an internal checks and balances system built into our QA/QC program. It is an ever-evolving program that helps prevents mistakes from ever making it into the field.

This results in not only strict adherence to budget, but the decrease in change orders during construction which saves both time and money to the owner.

C. Willingness to Meet Schedule and Budget Requirements

Meeting Schedules and Budgets

The WilsonMiller Stantec team philosophy on cost and schedule control is to "do it right the first time. We believe the cost of correcting problems with any project weighs heavily on when the problem is first identified and then corrected. For instance, a problem that may only cost \$100 to correct if caught early in the project, may cost \$10,000 to correct during implementation.

Our team is committed to reducing the overall consulting fees to the County by utilizing appropriate project staff and realistic schedules. This commitment includes three basic concepts:

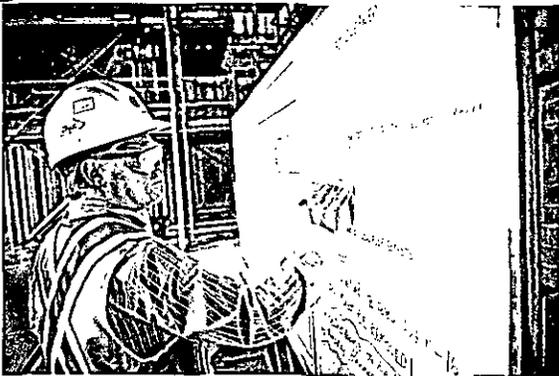
- 1) Identify, understand and utilize available technical information
- 2) Identify "value staffing" based on eliminating the use of over-qualified staff when they are not required.
- 3) Emphasize strong project management to implement the project within the agreed schedule and budget.

Controls for Meeting Schedule & Budget - Management Approach

WilsonMiller Stantec believes in a strong role for its Contract Managers and Task Managers. As a result, the project manager has full authority to directly commit staff and resources throughout the company. During the project, if the schedule or scope changes, our project

manager can coordinate the necessary changes directly with the County staff in order to provide immediate response to the County's needs. We are well aware that the County's project managers routinely oversee several projects simultaneously, consequently, one of our chief objectives is to facilitate the County project manager's oversight of the project. Specifically, our project manager will maintain chief contact with the County's project manager. Our communications objective is to provide the County's project manager with current project information at all times, without adversely impacting the schedule.

Our project manager will also maintain coordination between the County's project manager and project team through weekly status memos (via e-mail or faxes) and monthly progress reports and regularly scheduled project meetings. Our project manager and members of our project team will be available for project meetings or for on-site reviews with County personnel or other representatives as required.



Coordination of Work

Initial lines of communication and coordination will be established at the onset of the project or task assignment prior to issuance of the notice-to-proceed. At this meeting, appropriate aspects of the work (such as scope, schedules, budgets, QA/QC plan, and public involvement) will be discussed and ground rules for conducting the work, communication, and coordination will be established. A detailed schedule and scope will be submitted with each cost proposal for a given assignment.

Section 2 – Specific Work Category - C. Schedule and Budget

Throughout the duration of the project, we will maintain frequent contact with the County's project manager to keep him or her advised of progress and problems that are encountered. It is anticipated that we will meet with the County's project manager at least monthly, but more frequently if necessary.

Communications with the County's project manager will be an integral part of the project. We believe that the effective use of the client's participation will provide a mutually successful project for all parties, from the project development phase through final design and permitting.

Milestone meetings will be scheduled with the County to inform the project team of the progress on the project, in relation to scheduled completion tasks and work products. Emphasis will be placed on the use of hand written transmittals and memoranda, or facsimile transmittals, to reduce secretarial time and provide the County with prompt information on the project.

The project manager will also communicate with the County through weekly telephone contact. The purpose of the phone calls will be to inform the County of the latest project developments, and to resolve potential problems or project conflicts.

We are confident with our proactive approach to identifying and solving problems that our team can complete the County's task assignments on time or ahead of schedule within the agreed upon budget.

All of our proposed team members have previous experience in providing services under continuing contracts to a variety of clients. These team members are the best and brightest in their respective fields, so Leon County can rest assured they are receiving highly-qualified, experienced staff assigned to the continuing contract no matter how small the task assignment.

Section 2 – Specific Work Category - D. Workload

D. Willingness to Meet Schedule and Budget Requirements

The table below identifies the projects that are currently under contract, along with the anticipated completion dates.

Project Name	Est. Completion Date
Polk State College Advanced Technology Center, Site Engineering	2012
Grassy Key Development, FDE, Engineering Services P.	2011
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District	2011
Franklin Correctional Institution, Engineering Services	2011
Marathon Safety Improvements, Engineering Services	2011
Santa Clara and Willow Street Construction Administration	2011
Windley Key, Sugarloaf Trail Segment Extensions - FDEP	2011
Bald Point Construction Close-Out, Roadway/Traffic Design Services	2011
SR 189 from Roberts Blvd., Roadway Design Services	2011
Group 11-02 Resurfacing, FDOT, Roadway Design Services	2012
City of DeFuniak Springs, Planning Services - CRA	2011
City of Carrabelle CRA, Planning Services	2011
Bay County Joint Land Use Services, Planning Services	2011
Villages of Seloy, Planning Services	2011
EAR Amendment - Marianna Comprehensive Plan, Planning Services	2011
Bal Harbour Shops, Planning Services	2011
St. Andrew's Bay, Civil Engineering Services	2011
SR 104 from I-95 to US 17	2012
SR 104 from US1 to I-295	2012
Florida Keys Overseas Heritage Trail Summerland West Mitigation Environmental Management Services	2011

Our current workload is divided amongst a staff of 15.

As you can see in the table to the right, nearly every one of our current projects are expected to be completed this year.





Our staff holds regular project updatescheduling meetings to ensure the project(s) stay on track and within budget.

Our assigned team members have the ability to start work as soon as a task order is assigned under the Continuing Supply contract. We have assigned a core team of 8-10 people to the team, that will be "on-the-ready" if we are assigned the contract. They will be able to absorb any projects issued under the Continuing Supply Contract because we anticipate the majority of our projects to be completed by end of 2011.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

We hold regular project scheduling meetings to ensure that our projects stay on budget and within anticipated schedule. This is key to managing the overall workload of multiple miscellaneous task orders simultaneously.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

Section 2 – Specific Work Category - E. Location

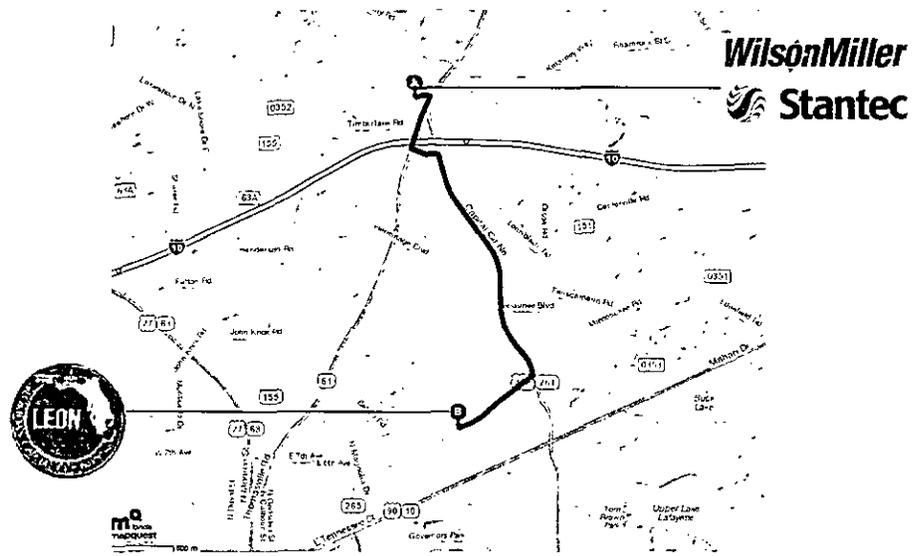
E. Project Team Location

Our project team is predominantly located at our Tallahassee office, located locally in Leon County. The address is:

- 1441 MaclayCommerce Drive, Suite 101
Tallahassee, FL 32312

Our team will be supplemented by personnel located in other offices throughout Florida and Georgia. As a corporate policy worksharing is a common practice, one that occurs between various offices and amongst disciplines. Our staff is familiar with working on projects that are not local to them, and know our internal process of communicating regularly with local personnel in order to seamlessly provide service.

Our local presence will be a significant advantage in our ability to easily service any tasks assigned under the Continuing Supply contract.



Our Tallahassee office is located 4 miles from the Leon County Public Works address at 2280 Miccosukee Road.



F. Approach to the Project

WilsonMiller Stantec understands the needs and demands of Leon County to successfully accomplish the required services related to design of traffic and intersection projects or minor roadway enhancements. We have successfully completed numerous projects throughout Northeast Florida utilizing the established steps on the following pages. Each project has its own unique challenges, however the fundamental project structure and requirements are common to all.

Project Philosophy

Our approach has evolved through many years of experience in providing various transportation services including roadway design, road improvement, signalization, intersection improvements, roundabouts, traffic calming, sidewalks, lighting, and various

stormwater, environmental and FDOT permitting for Leon County, the surrounding areas and throughout the state. This previous experience has given us knowledge of Leon County's system, familiarity with your staff and their needs, and experience with local conditions.

Our formula for success includes the following key elements:

- Proactive project management
- Project documentation
- Attention to detail
- Client and public communication
- Consistent follow through on all aspects of the project

WilsonMiller Stantec's Sarasota-based project team will maintain management control of all facets of each assignment issued to us. Our multidisciplinary approach allows us to offer a single-source solution for all required projects. We will perform the requested services with our in-house staff

We apply a consistent methodology and rationale to every project. While we are able to design individual projects with their own unique characteristics and specific challenges whether it is a conventional signalized intersection, a roundabout or a capacity increasing improvements, our approach to completing each project is the same. WilsonMiller Stantec is committed to providing a timely and cost-effective response to each of the County's needs. We will carefully analyze each project assignment in detail to deliver results that not only meet or exceed the County's goals, but also will have minimal disruption to area citizens.

The following text outlines the typical approach we would use for a task assignment. For any given project, we will present and formulate our approach with County staff for concurrence prior to project initiation.



Step 1: Background and Coordination Review

WilsonMiller Stantec will meet with County staff at the beginning of each assigned project or task to ensure that we fully understand the goals and objectives for any project. We will introduce our staff and management team for the specific project and establish the communication protocol. We will also review previous work to maintain consistency with completed work to eliminate duplication of effort.

The key to project success is timely, clear, and effective communication. By taking the extra time to listen to our client's staff, from management to engineering and operations, and understand their needs and project concerns, we will know what goals and parameters must be achieved for each project. We will use a variety of methods to establish and maintain communications with Leon County to complete projects in a timely manner. A project management notebook will be initiated at the time of project assignment and will be continuously updated to include:

- Project goals, objectives, and budget
- All correspondence
- Design information
- Telephone conversation logs
- Project design schedule including each sub-task
- Other pertinent project data and information

Two copies of the project management notebook can be prepared and maintained. One copy will be available at each project and public information meeting and can be submitted to the County at the certification of the project.

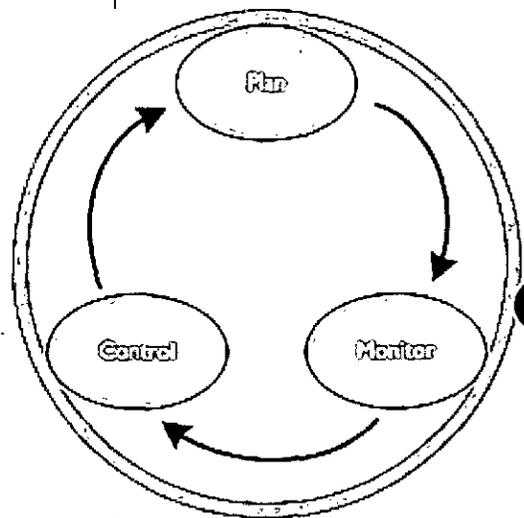
As part of the initial project coordination meeting, WilsonMiller Stantec will:

- Discuss the project limits
- Confirm the County's project goals
- Identify and document potential obstacles
- Identify all potential project stakeholders, i.e. the County, neighborhood residents and affected citizens, business owners, emergency management personnel, school board staff, and other affected public and private agencies

Early identification and coordination with the County will help reduce the likelihood for design changes and project modifications. It will also provide the opportunity for all other County departments to identify and/or coordinate specific needs with or prior to the project's construction.

Step 2: Survey and Field Investigation

As necessary, WilsonMiller Stantec will work with the County's surveying and mapping group in order to identify/survey each project area, collecting existing field condition data to prepare a set of survey drawings for project design. All ground surface details such as roads, curbing, drainage structures, manholes, valves, hydrants, meters and



Section 2 – Specific Work Category - F. *Project Approach*

backflow preventor assemblies, driveways, mailboxes, trees, bushes, and signs will be located and shown on the survey drawings. As appropriate, WilsonMiller Stantec will lead or assist the County in communicating with homeowners and businesses regarding any planned field survey data collection activities in the project area. This may involve production and distribution of flyers, door hangers, or a targeted mailing. Of course, this is TBD per the scope of the task assignment.

Step 3: Preliminary Feasibility Study

As part of a preliminary feasibility study for intersection improvements/roadway capacity enhancements, WilsonMiller Stantec will perform the following services on an as-needed basis dependent on each particular assigned project scope:

- Traffic counts
- Traffic Studies, including LOS evaluation for existing and nearby segments and intersections
- Traffic modeling
- Evaluation of existing ROW
- Exploring location of, and identifying possible conflicts with underground utilities
- Impact to utilities, other roadways, sidewalks, trees, shrubs, habitats, both in public R/O/W and private property
- Identification of environmental or permitting concerns



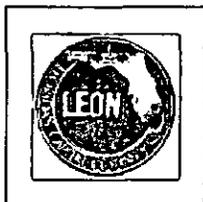
WilsonMiller Stantec practices “cooperative effort” to complete the projects, i.e. we include the client, the contractor, utility companies, and other involved parties to identify and resolve project issues as soon as practical.

Step 4: Project Design and Construction Drawings

Through the years of serving municipal and county public works departments, WilsonMiller Stantec has recognized that excellent service is our top priority in meeting our client’s needs. To achieve this goal, we propose a design team approach in lieu of 30% plans submittal for the County’s projects, a group made up of key WilsonMiller Stantec team members and key County staff responsible for the project review and approvals.

The design team meetings in the preliminary design phase can be utilized to identify, discuss, and resolve design issues early in the process to maximize communication and minimize the number of reviews and revisions. Our ultimate goal will be to minimize processing time and inconvenience to the general public. WilsonMiller Stantec will utilize the information from the County’s scope of work, record drawings, site visits, and the survey field data to prepare the project design and construction drawings.

Overall construction costs will be considered throughout the design process and will be



communicated to the County's Project Manager at each stage in the design process. We foresee providing the County with construction plans at the 60 and 100 percent stage of completion. A complete set of technical documents containing the County's latest specifications with bid form and engineer's opinion of cost will be submitted to Leon County at the 100% stage of construction plan completion.

We will review the plans with County staff during design team meetings and at each submittal stage and will address all comments and questions regarding the plans and bid documents. WilsonMiller Stantec may be requested to provide other miscellaneous services as part of this project, including:

- Landscape and irrigation design
- Street Lighting

Step 5: Permitting/Public Involvement

Upon the County's approval of the project's preliminary design, WilsonMiller Stantec will initiate the permitting process. The project's permit requirements will be identified and permit applications will be prepared for each affected local, state, or federal agency. Copies of the applications and permits subsequently issued will be placed in the project management notebook.

A public involvement program may be established for each project. This program will meet or exceed all County procedures and practices currently in place. WilsonMiller Stantec will be available to prepare presentation materials, documents, meeting agenda, web page content, and attend all public project presentation meetings and workshops. In advance of each public meeting and/or workshop, we will provide the County with these materials to review and approve.

Step 6: Bidding

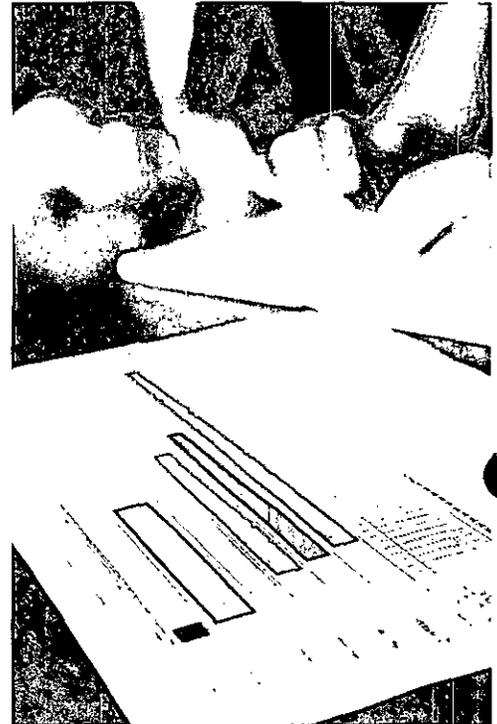
WilsonMiller Stantec will assist the Leon County with the following items for use during the bidding of each project:

- Preparation of the bid documents and technical specifications
- Attending and participating in a pre-bid meeting
- Reviewing bids, preparing bid tabulation, and making recommendations of award

We recognize that a critical period in a successful project is the time between the advertisement for bid and the commencement of actual construction. By completing all pre-construction activities before the project begins, we can participate with County staff in addressing the various challenges immediately and develop appropriate resolutions, thus reducing field change orders and escalations in project costs.

Step 8: Project Management and Quality Control/Quality Assurances

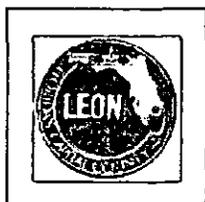
As stated in Step 1, the keys to each successful project are effective communication and sound quality control practices. WilsonMiller Stantec uses numerous methods to accomplish these two items. We will keep the neighborhood and business stakeholders



Section 2 – Specific Work Category - F. *Project Approach*

WilsonMiller Stantec is committed to provide the services required by Leon County with a project team to fit the County's direction, focusing on meeting three fundamental objectives:

- Completing the project on time
- Completing the project within Budget
- Completing the project with the quality expected



affected by each project informed of the project's status and notify them when changes occur. WilsonMiller Stantec will conduct regularly scheduled meetings on a monthly basis, unless shorter periods of time will be considered, depending on the project's complexity and impact to the neighborhood. We will submit bi-weekly status reports to the County for review. These status reports will identify the following:

- Stage of the project time frame
- Tasks completed
- Tasks to be completed
- Issues that have been resolved and/or need to be resolved

By following our disciplined Quality Assurance and Control (QA/QC) program, we can stay on target for our scope of work while maintaining our schedule and budget. This program identifies a set of checks and balances that affords us the opportunity to find any omissions or errors and correct them before they influence the overall outcome of our project delivery.

The WilsonMiller Stantec QA/QC procedures require independent peer reviews that involve the most qualified participants from many disciplines within the WilsonMiller organization. Our QA/QC program sees that such procedures are established, documented, and followed. It provides an effective system for making sure that:

- All work performed is in accordance with client, industry, and WilsonMiller criteria.
- All analyses are tested throughout project development and documented to verify result validity/reasonableness.

Undesirable conditions are detected early and positive corrective action is taken in a timely manner.

Nine elements comprise WilsonMiller Stantec's QA/QC Program:

- Management Responsibility - Management has designated a representative (the office manager or discipline manager of each WilsonMiller Stantec office) who has defined authority and responsibility for making certain that the quality policy is implemented and maintained.
- Project Control - The project manager will establish and maintain procedures to control and verify project scope performance to see that the project-specific criteria, other specified requirements, and requirements of the relevant regulatory agencies are met.
- Document Control - We use an electronic document records management system that tracks all documents, including non-electronic documents, by project.
- Subcontracting - If it is determined that subcontractors will be required for a task assignment, we will require them to identify and plan the production processes that directly affect quality and will perform these processes under controlled conditions.
- Inspection and Verification/Testing - The results will be documented for receiving incoming products, work in process, and final inspection of outgoing documents.

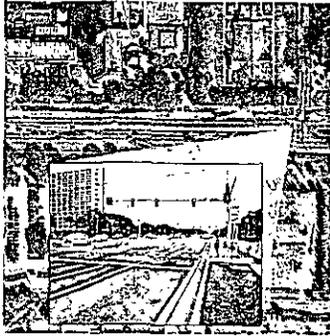
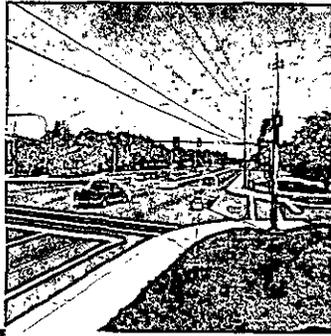
Section 2 – Specific Work Category - F. Project Approach

- Inspection and Verification Status - The purpose is to make sure that only work that has passed the required inspections and verifications is accepted.
- Nonconformance - Procedures will be established and maintained to correct nonconforming work so that such work is not inadvertently used or installed.
- Corrective Action - This includes procedures for investigating the cause of nonconforming work, the corrective action needed to prevent recurrence, and procedures for analysis to detect and eliminate potential causes of nonconforming work.
- Training - WilsonMiller has established and maintains corporate-wide procedures for identifying the training needs and providing the training of all technical and professional personnel performing activities that affect quality.

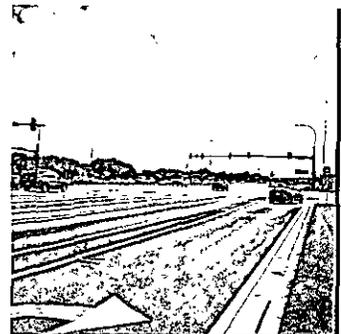
While maintaining a high level of QA/QC is first and foremost in every WilsonMiller Stantec project, quality improvement efforts are intended to establish strategies for continued improvement in areas of production, scheduling, and multi-disciplinary coordination. To that end, WilsonMiller Stantec has developed a post-project evaluation summary (P-PES) process to assist the project manager in evaluating the positive and negative performance results of the project.



The ultimate goal of each project will be to deliver the quality and services the County expects. WilsonMiller Stantec is committed to providing professional roadway and utility engineering and landscape architectural services to team with the Leon County in achieving this goal for each project.



Traffic and Intersection Engineering



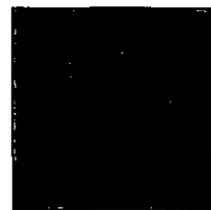
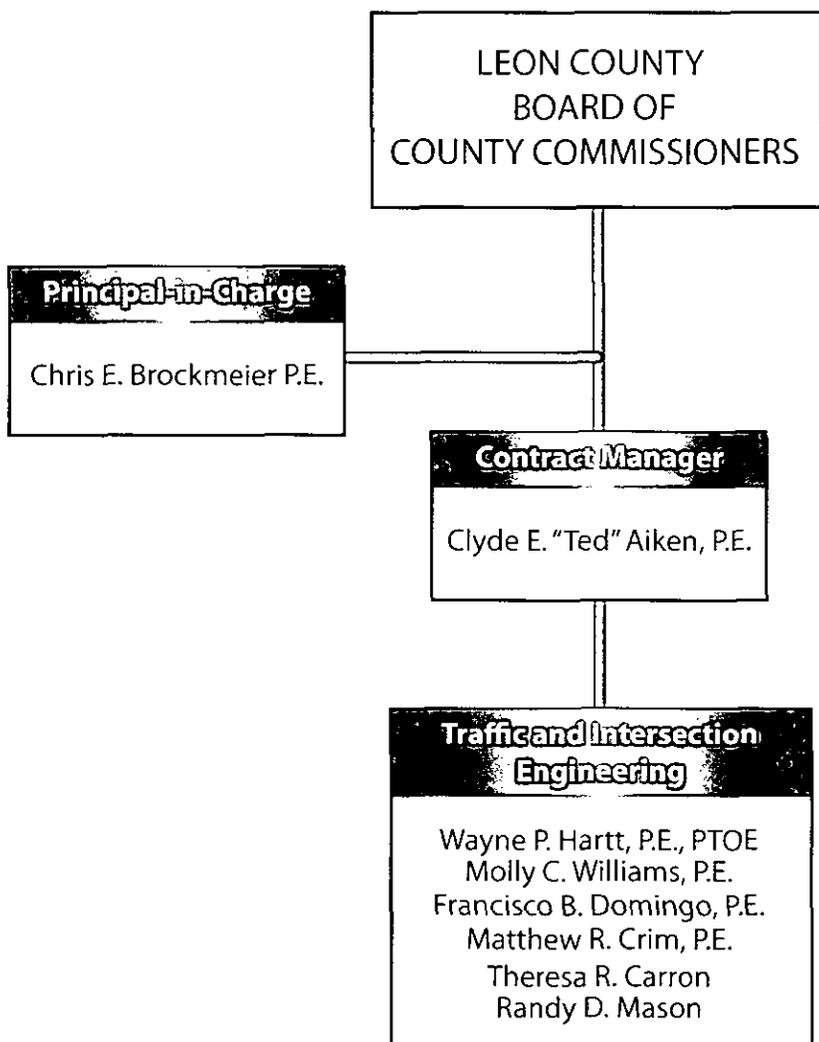
A. Ability of Professional Personnel

Although we are applying from our Tallahassee office, we will be utilizing staff from various locations throughout Florida to help supplement our team as scope requires. This includes adding staff from the Macon, GA office, as well as Tampa and Sarasota offices.

We have dedicated a pool of experienced team members that are "on-call" for any tasks that are assigned under the Traffic and Intersection Engineering Category. The organizational chart below and the attached resumes showcase those personnel that have been selected to be dedicated to these projects due to their availability and workload.

WilsonMiller's broad range of in-house services makes us unique in the fact that we are able to provide clients with a one-stop-shop on any given project, or as demonstrated with our previous work with Leon County.

With the various discipline resources available in-house, we are able to function as a coherent team to provide miscellaneous, continuing services effectively and seamlessly.



Chris E. Brockmeier P.E.

Principal - Traffic and Intersection Engineering



Mr. Brockmeier has both civil and environmental engineering experience in the private and public sectors. His professional skills include project management, preliminary/ conceptual design, permitting, system modeling, final design, cost estimating, bidding, and construction-phase services. He participated in the design and implementation of various stormwater, potable water, sanitary sewer systems and solid waste facilities, which included permitting from federal, state, and local regulatory agencies. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, Florida State University, Tallahassee, Florida, 1995

REGISTRATIONS

Registered Engineer #56859, Florida; Professional Engineer #25147, Alabama

PROFESSIONAL ASSOCIATIONS

Tallahassee Branch, Past President 2005, American Society of Civil Engineers

Membership Committee, Young Member's Committee, Engineer's Week Committee, American Society of Civil Engineers

Education Committee; Past Chairman, 1999; American Public Works Association

AWARDS

2001 Florida Engineering Society, Big Bend Chapter, Young Engineer of the Year

1998 American Society of Civil Engineers, Big Bend Chapter, Young Engineer of the Year

PROJECT EXPERIENCE

Wakulla County Board of County Commissioners, Spring Creek Highway Roadway Improvements*, Wakulla County, Florida (Project Manager)

Provided services for the reconstruction of 8.1 miles of County Road 365. Roadway improvements included increasing existing roadway lane width and rehabilitation of a major county roadway that had become severely degraded and required innovative design to bring the roadway up to present County standards. \$N/A

US 319 Alternative Corridor Study, Wakulla County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. This study identified and evaluated alternative north/south roadway corridors to help alleviate congestion on US 319 in rapidly growing Wakulla County and encompassed more than 62,000 acres. \$73,000

SR 85 Improvements (SR 397 to SR 85 North), Okaloosa County, Florida (Lead Engineer)

Responsible for overall drainage design and team management support. Stantec was contracted to widen SR 85 from an urban 4-lane road to a 6-lane roadway. Additional work includes access management modifications, signalization, drainage improvements, signing and pavement making, and safety items, in addition to permitting. \$500,000

Paul Russell Road Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 l.f. of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. \$83,000

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Civil Engineering, Principal

Lake Henrietta Trailhead Development Services, Leon County, Florida (Lead Engineer)

Responsible for overall civil design, client interface and project and team management. The Lake Henrietta Trailhead serves as the initial phase in Leon County's greenway project. Stantec provided multiple services for the design of the trailhead facility that provides trail access, 10 vehicular parking spaces, pedestrian circulation, and layout of facilities. Planting and irrigation design was also provided. \$73,000

Glenview Drive Sidewalk Improvements, Leon County, Florida (Principal-in-Charge and Project Manager)

Responsible for overall client interface and project and team management. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 4,400 feet of proposed sidewalk along Glenview Drive. The project is part of the City's Residential Sidewalk Program. \$55,000

Eastgate Way/Bedford Way Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. Stantec was retained by the City of Tallahassee to design and prepare contract plans and documents for the construction of approximately 6,400 feet of proposed sidewalk along Eastgate Way/Bedford Way. The project is part of the City's Residential Sidewalk Program. \$64,000

Dempsey Mayo Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)

Responsible for overall civil design, ongoing client and project coordination, account management, and project scheduling. In a continuing effort to improve public safety, Leon County contracted Stantec for professional design and permitting services for the construction of new sidewalks along Dempsey Mayo Road from Miccosukee Road to Mahan Drive (US 90) for approximately 5,000 feet. \$35,000

Chipola River, Jackson County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. Stantec provided multiple services for this 439-acre rural North Florida subdivision, including roadway, stormwater management, and private potable water supply system design. 588,000

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida (Principal-In-Charge)

Responsible for overall civil design, client interface and project and team management. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$71,000

Beaches of South Walton Tourist Finding System, Walton County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. The Walton County Tourist Development Council desired to implement a new 'Beaches of South Walton' wayside tourist finding system. Stantec provided engineering and design services for this \$1 million signage program requiring local and state permitting within existing rights-of-way and in sensitive scenic corridors. \$50,000

RiverCamps on Crooked Creek, Bay County, Florida (Engineer)

Responsible for preliminary layouts and cost estimates of roadways, stormwater, potable water, irrigation, sanitary sewage, telecommunications, electricity, and 0.5 MGD wastewater treatment plant and disposal site. RiverCamps on Crooked Creek is a 1,375-acre planned residential community located on West Bay in Bay County, Florida. The development plan is to construct an environmentally-sensitive gated community featuring cabin-like homes on large wooded lots along with supporting infrastructure, including trails, bridges, boardwalks, boat ramps, fishing piers, roads, drainage, water, sewer, power, telephone, and cable. \$1.1 million

Rivercamps at Back Bay, Bay County, Florida (Engineer)

Responsible for overall civil preliminary project design, permitting, and project management support. Services provided include preliminary layouts and cost estimates for roadways, stormwater, potable water, irrigation, sanitary sewage, telecommunications, electricity, and a five-mile sewage force main for this 1,900-acre rural planned community. \$38,000

Clyde E. Aiken PE

Contract Manager - Roadway Engineering



Mr. Aiken's corporate responsibilities include business development activities and management of transportation projects. He has extensive experience in permitting projects with federal, state, and local regulatory agencies. Mr. Aiken's skills include feasibility studies; conceptual, preliminary and final engineering; specification of materials and equipment; cost estimating; preparation of contract documents; and bidding and construction-phase services. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, 1997

REGISTRATIONS

Professional Engineer #58536, Florida

PROFESSIONAL ASSOCIATIONS

Member, National Society of Professional Engineers

Member, Institute of Transportation Engineers

Member, Florida Institute of Consulting Engineers

Member, Florida Engineering Society

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

City of Midway Sidewalks, Gadsden County, Florida
(Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This low-bid, design-build project for the Florida Department of Transportation was federally funded by the American Recovery and Reinvestment Act of 2009 (ARRA). Scope of work included survey and design for 1.66 miles of new sidewalk along CR 268/159 (Martin Luther King Blvd) and 0.75 miles of new sidewalk along Palmer Road. \$35,000

Apalachee Parkway Sidewalk Improvements, Leon County, Florida

Project Manager and Engineer-of-Record responsible for ongoing client and project coordination, account management, project scheduling, design, and production. Local Agency Program (LAP) project with the City of Tallahassee and FDOT District 3. Scope included the design and permitting of approximately 2,000 l.f. of new sidewalk along this major east-west thoroughfare. \$65,000

Glenview Drive Sidewalk Improvements, Leon County, Florida

Project Manager and Engineer-of-Record responsible for ongoing client and project coordination, account management, project scheduling, design, and production. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 4,400 feet of proposed sidewalk. \$55,000

Paul Russell Road Sidewalk Improvements, Leon County, Florida

Project Manager and Engineer-of-Record responsible for ongoing client and project coordination, account management, project scheduling, design, and production. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 l.f. of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. \$82,000

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida

Engineer responsible for civil project design, permitting, and project management support. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$72,000

* denotes projects completed with other firms

Clyde E. Aiken PE

Senior Project Manager

SR 104 Resurfacing, Rehabilitation, and Restoration from I-95 to US 17, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of 0.87 mile of 4-to-6-lane divided urban arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, contract plans and specifications. Design included new sidewalk facilities, minor safety improvements, and feasibility analysis for addition of bicycle facilities. \$295,000

Bradenton Beach Bike Lane Design, Manatee County, Florida

Engineer responsible for civil project design, permitting, and project management support. Stantec provided design, permitting and construction phase services for the City of Bradenton Beach for a bicycle lane project on Gulf Drive (SR 789). The project included design and permitting of 2.6 miles of bicycle lanes on Gulf Drive from 5th Street South and from 6th Street North to 27th Street North. The project was performed under the auspices of the FDOT Local Agency Program (LAP) paid for by Federal Transportation Enhancement Funds. \$25,000

Florida Keys Overseas Heritage Trail (FKOHT), Monroe County, Florida

Project Manager responsible for overall civil project design, permitting, scheduling, and account and project management support. The FDEP Office of Greenways and Trails contract for over 40 miles of the FKOHT is located within FDOT right-of-way for SR 5 / US-1. Stantec provided trail design and engineering, environmental permitting, surveying, and landscape design services for this Local Agency Program (LAP) project with the FDOT, entailing the construction of a new and innovative pedestrian/bicycle trail that will become part of the overall 106-mile trail system to run the length of the Florida Keys. \$1.8 million

Siesta Key Bicycle Lanes, Sarasota County, Florida

Engineer responsible for civil project design, permitting, and project management support. Stantec provided surveying, engineering design, permitting, utility coordination, contract documentation preparation, construction phase services, and public involvement for the construction of approximately 1.8 miles of four-foot wide bike lane along both sides of Higel Avenue and Ocean Boulevard. \$122,000

SR 189 Resurfacing, Rehabilitation, and Restoration from Roberts Blvd. to SR 397, Okaloosa County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey, public involvement, and design for resurfacing, rehabilitation, and restoration of about 5 miles of 4-lane divided urban arterial roadway with flush shoulders for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, ADA Compliancy Report, contract plans and specs. \$647,000

Central Sarasota Parkway - I-75 Interchange PD&E Study & Final Design, Sarasota County, Florida

Engineer responsible for preliminary roadway and drainage engineering for the PD&E Study, and Engineer-of-Record responsible for final roadway design and construction document preparation. Stantec conducted the Project Development and Environmental (PD&E) Study and final design on behalf of Sarasota County, Palmer Ranch, and the FDOT District 1. The interchange will complete the extension of Central Sarasota Parkway from Honore Avenue to I-75 and provide new access to and from the interstate for area residents. \$2.76 million

SR 104 Resurfacing, Rehabilitation, and Restoration from US 1 to I-295, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of over 2 miles of 2-lane undivided rural arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, Pavement Design Report, contract plans and specifications. \$338,000

Cattlemen Road - Fruitville Road Intersection Improvements, Sarasota County, Florida

Engineer responsible for civil project design, permitting, and project management support. Stantec led several engineering design teams to design and permit improvements to one of Sarasota's major intersections at Cattlemen and Fruitville Roads. The project involved a developer agreement with two developers and the County, and significant permitting issues through multiple permitting agencies. \$575,000

* denotes projects completed with other firms

Christopher C. Roberts PE

Senior Project Manager, Traffic and Intersection Engineering



With significant experience in project management and the design of transportation projects throughout major metropolitan areas of Florida, Mr. Roberts offers considerable Interstate interchange and roadway design experience. He is an expert pertaining to complex project management, FDOT guidelines, and transportation solutions on the state, county, and local levels. He has been recognized for his innovative design resolutions as well as his resourceful and efficient project management. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of South Florida, Florida, 1998

Bachelor of Science, Social Science, Florida State University, Florida, 1994

Training:

- FDOT Advanced Work Zone Refresher Course, 2005
- Contract Estimating Systems, FDOT, 1999
- Guardrail for Designers, FDOT, 2002
- Training, Long Range Estimates, FDOT, 1999
- Training, Seasonal High Groundwater Evaluation, FDOT, 2003

REGISTRATIONS

Professional Engineer #60234, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Florida Institute of Consulting Engineers

PROJECT EXPERIENCE

George Road Widening, Hillsborough County, Florida (Transportation Engineer)

Responsible for project transportation engineering elements. This project included the widening of this access road to two major office parks in Tampa from a two-lane rural section to a four-lane divided urban section, including new mast arm traffic signals at intersections of Independence Parkway and Memorial Highway. Work included the relocation of electric transmission mains from dedicated easements to a new public right-of-way. \$275,000

CR 54 Extension and Improvements, Pasco County, Florida (Project Manager and Lead Transportation Engineer)

Responsible for oversight and coordination of all phases of roadway improvement. Stantec provided transportation engineering, structural engineering, and permitting services for the construction of CR 54 from SR 54 south to County Line Road (southern extension), a distance of approximately 1.5 miles, and for a 0.5-mile improvement to CR 54 north of SR 56 (northern extension). The southern extension design consists of the new construction of a four-lane urban section with major intersection design. The northern extension design calls for a rural, four-lane section expandable to a future six-lane section with turn lanes at two major intersections. \$515,000

SR 54 and SR 56 Improvements (US 41 to I-75), Pasco County, Florida (Lead Transportation Engineer)

Responsible for overall project transportation engineering elements. Stantec provided a traffic study, engineering, permitting, and preparation of construction plans for a three-mile section of SR 54 and a one-mile section of SR 56. The designs included the widening of existing four-lane rural sections to six-lane rural section with major drainage and intersection improvements and the widening of Cypress Creek Bridge. \$3.1 million

Vanderbilt Beach Road Extension (Collier Boulevard to Desoto Avenue), Collier County, Florida (Transportation Engineer)

Responsible for civil project design, permitting, and project management support. Stantec was retained as a sub-consultant to the project prime to provide transportation engineering and permitting services for capacity improvements to the 5.6-mile extension of Vanderbilt Beach Drive from Collier Boulevard to Desoto Road. Services also included preparation of Traffic Control Plans. \$55,000

* denotes projects completed with other firms

Christopher C. Roberts PE

Senior Project Manager

SR 52 Improvements and SEIR, Pasco County, Florida (Lead Transportation Engineer)

Responsible for overall project transportation engineering elements. Stantec provided engineering, permitting, and construction plans preparation for the reconstruction for two miles of an existing two-lane, undivided roadway to a proposed four-lane divided suburban roadway expandable to a future six-lane divided urban section, and all proposed drainage facilities designed to accommodate future lanes. The State Environmental Impact Study (SEIR) included studying alternative alignments, coordination with sub-consultants in preparation of the SEIR and associated reports, coordination with Pasco County and FDOT staff, hosting public meetings, and presentation before the Board of County Commissioners. \$1.6 million

SR 104 Resurfacing, Rehabilitation, and Restoration from I-95 to US 17, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of 0.87 mile of 4-to-6-lane divided urban arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, contract plans and specifications. Design included new sidewalk facilities, minor safety improvements, and feasibility analysis for addition of bicycle facilities. \$295,000

Downtown Tampa Interchange (I-275 and I-4 corridor)*, Hillsborough County, Florida (Lead Roadway Engineer)

Responsible for assisting the project manager in handling all "requests for information" from the contractor and CEI team for all post design activities related to this major interchange project. Major redesigns included ramp terminal detailing, variable height barrier wall design, and guardrail design. \$ N/A

Moccasin Wallow Road Study, Manatee County, Florida (Project Manager and Lead Roadway Engineer)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec prepared an alignment route study for a 1.48-mile segment of Moccasin Wallow Road to allow for future roadway widening. \$1.275 million

SR 104 Resurfacing, Rehabilitation, and Restoration from US 1 to I-295, Duval County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, project scheduling, design, and production. This project includes survey and design for resurfacing, rehabilitation, and restoration of over 2 miles of 2-lane undivided rural arterial roadway for the Florida Department of Transportation. Scope of work included preparation of a Typical Section Package, Design Variation Request, RRR Report, Pavement Design Report, contract plans and specifications. \$338,000

I-275 Stage II from Himes Avenue to Downtown Tampa Interchange*, Hillsborough County, Florida (Project Manager and Lead Roadway Engineer)

Responsible for creating and managing the design of a 2.5-mile stretch of interstate through the heart of Tampa. The project includes eight commuter-distributor lanes with on and off ramps joined to adjacent frontage roadways, and four mainline through lanes. \$ N/A

SR 674 (Stanaland to Polk County Line), Hillsborough County, Florida (Project Manager)

Responsible for project transportation engineering elements for 7 miles of resurfacing, restoration, and rehabilitation improvements. The primary goal of the State Road 674 Stanaland to Polk County Line project is to extend the life of the existing pavement, address multi-modal considerations, and meet current safety requirements for the corridor. Stantec Survey, Transportation Design, and Natural Resources will all play a role in the successful completion of this job. \$142,000

North Ybor State Road 60 & Access Improvements, Tampa, Florida (Project Manager)

Responsible for project transportation engineering elements. As part of our North Ybor Channel Project, Stantec will develop roadway plans for access to the site from State Road 60 to the northern boundary of the property. The access crosses directly underneath the Selmon Expressway and therefore involves extensive coordination with the Tampa Hillsborough Expressway Authority for those easements. Other agencies having a stake in the project include the Florida Department Of Transportation and City of Tampa. \$171,500

* denotes projects completed with other firms

Francisco B. Domingo PE

Senior Project Manager, Traffic and Intersection Engineering



Mr. Domingo brings comprehensive infrastructure and transportation planning and development expertise to his projects. His professional background spans project management, developer agreement negotiations, regulatory development, program analysis, conceptual planning, feasibility analysis, roadway planning, stormwater facilities, right-of-way acquisition, permitting, community relations, construction contracts, and budget control. He possesses valuable knowledge of the policies and procedures involved in the planning process including developer agreements, road impact fee credit agreements, DRIs, environmental and sovereign land issues, and comprehensive plans. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, 1986

FDOT, Advanced Work Zone, Traffic Control, 2010

REGISTRATIONS

Professional Engineer #51601, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Myakka Chapter Scholarship Committee, Florida Engineering Society

Member, Institute of Transportation Engineers

Member, American Public Works Association

AWARDS

1995 Professional Engineers in California Government, Engineer of the Year

PROJECT EXPERIENCE

University Parkway - Lockwood Ridge Intersection Improvements Design, Manatee and Sarasota Counties, Florida (Transportation Engineer)

Responsible for project transportation engineering elements. To mitigate the impacts of a new residential community near the intersection, Centex Homes contracted with Stantec to design major improvements to the intersection, including lengthened turn lanes, the addition of dual left turns, and exclusive right turn lanes in all four quadrants. \$500,000

Clark Road/Honore Avenue Intersection Improvements, Sarasota County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided conceptual and final design services for the improvements to the Clark Road/Honore Avenue intersection. Services included signalization design, roadway design, signing, pavement markings, stormwater management design, and contract specifications package preparation. These project services were performed in conjunction with a development agreement for Sarasota Memorial Hospital. \$400,000

Clark Road/Gantt Road/Approach Road Intersection Analysis, Sarasota County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. On behalf of Sarasota Memorial Hospital, Stantec performed an intersection capacity analysis at the Clark Road/Gantt Road/Approach Road intersection using Synchro software. The analysis accounted for the redistribution of traffic facilitated by a new access road from the Sarasota Memorial Care Center East Campus to Approach Road. The analysis demonstrated that the adopted level of service at the intersection was maintained with the redistribution of traffic. \$30,000

University Parkway - I-75 Interchange Improvements Design, Sarasota County, Florida (Transportation Engineer)

Responsible for maintenance of traffic design. Stantec provided the design of a \$9 million improvement to an existing I-75 interchange with an annual average daily traffic (AADT) volume of 40,000 vehicles per day. The project included the addition of new turn lanes and travel lanes, widening; milling and resurfacing of 30,000 square yards of pavement; signalization; pavement markings; and bicycle lanes. \$295,000

* denotes projects completed with other firms

Francisco B. Domingo PE

Senior Project Manager, Transportation

Old Kings Road PD&E Study, City of Palm Coast, Florida (Project Manager)

Project Manager of the PD&E for the widening and extension of Old Kings Road in the City of Palm Coast. The proposed improvements include the widening from Palm Coast Parkway to Forest Grove Drive for a length of 3.3 miles and will consist of adding two lanes on the east side of the existing two-lane roadway from Farragut Drive to Forest Grove Drive. The extension from Forest Grove Drive to Old Kings Road for a length of 2.6 miles will consist of the outside two lanes of an ultimate four-lane divided roadway. The project requires new asphalt pavement, drainage, concrete curb and gutter, and sidewalks. In addition, the project will include streetscape and irrigation, and upgrades to storm water retention ponds and traffic control, including signage and striping. \$170,000

Cattlemen Road - Fruitville Road Intersection Improvements, Sarasota County, Florida (Transportation Engineer)

Responsible for project transportation engineering elements. Stantec led several engineering design teams to design and permit improvements to one of Sarasota's major intersections at Cattlemen and Fruitville Roads. The project involved a developer agreement with two developers and the County, and significant permitting issues through multiple permitting agencies. \$575,000

Central Sarasota Parkway - I-75 Interchange PD&E Study & Final Design, Sarasota County, Florida (Project Manager)

Responsible for project final design and overall project management. Stantec conducted the Project Development and Environmental (PD&E) Study and final design on behalf of Sarasota County, Palmer Ranch, and the FDOT District 1. The interchange will complete the extension of Central Sarasota Parkway from Honore Avenue to I-75 and provide new access to and from the interstate for area residents. \$2.75 million

North Cattlemen Road Design & Permitting, Sarasota County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec is providing the design and permitting of 2.8 miles of new four-lane arterial roadway between Richardson Road and DeSoto Road. The project is subject to a developer agreement. The improvements involve constructing a four-lane, closed drainage design with raised median, bicycle lanes, sidewalks, lighting, and a rigid frame bridge. \$1.1 million

Toledo Blade Boulevard Widening Design, Sarasota and Charlotte Counties, Florida (Transportation Engineer)

Responsible for maintenance of traffic design. Stantec was retained to provide the design for the widening of Toledo Blade Boulevard from US 41 to I-75 (five miles) from two lanes to four lanes. The project includes new raised medians, establishment of an access management plan, five new traffic signals, two new bridges, street lighting, drainage facilities, and landscaping. \$1.5 million

US 301 - Segment B Roadway Widening Design Services, Manatee County, Florida (Transportation Engineer)

Responsible for maintenance of traffic design. Funded through a public-private partnership between 22 developers, Manatee County, and the FDOT, Stantec was contracted for the widening design of four miles of US 301 (from Erie Road to CR 675) from two to four lanes, with the exception for future expansion to six lanes. \$1.65 million

Roundabout at Venice and Jacaranda Boulevards, Sarasota County, Florida (Transportation Engineer)

Responsible for maintenance of traffic design. Stantec performed the conceptual through final design of a roundabout at two major arterial roadways in South Sarasota County. In addition to design, our tasks included permitting, utilities design, maintenance of traffic plans, stormwater design, signing/markings plans, and street lighting. The three-lane roundabout at the intersection of two four-lane arterial roadways is unique in Sarasota County. The new roundabout included design of roadway transitions from six-lane to four-lane urban arterials, bicycle facilities, pedestrian crossings, and an intermediate two-lane design. \$585,000

Proctor Road Improvements Design (Honore Avenue to McIntosh Road), Sarasota County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Sarasota County engaged Stantec to design improvements for approximately 0.9 miles of Proctor Road from Honore Avenue to McIntosh Road. The improvements include widening the existing two-lane roadway to four lanes with a raised median, bike lanes, curbs and gutters, sidewalks, and street lighting. Plans also call for constructing stormwater ponds, installing new utilities in various segments, and avoiding a forested wetland in an urban area. \$700,000

* denotes projects completed with other firms

Molly C. Williams PE

Project Manager, Traffic and Intersection Engineering



Ms. Williams' civil design experience includes innovative projects incorporating Low Impact Design (LID); design of stormwater management systems for public/private partnerships; analysis of GIS data to develop prioritization of stormwater infrastructure repair /replacement; and transportation projects. While holding the position of Stormwater Planning Section Supervisor for Sarasota County, Ms. Williams authored numerous Basin Master Plans and presented the plans to the Sarasota County Board of Commissioners for adoption. She is well versed in the review and analysis of FEMA floodplains and floodways throughout Southwest Florida. All dollar values are representative of fee.

EDUCATION

Maintenance of Traffic Plans Certification # TPA-AMOTR-23870, Florida Department of Transportation (FDOT), Tampa, Florida, 2005

Pipeline Assessment & Certification Program (PACP)/Manhole Assessment and Certification Program (MACP) Certification # U-310-10394, National Association of Sewer Service Companies (NASSCO), Sarasota, Florida, 2010

Bachelor of Science, Civil Engineering, University of Cincinnati, College of Engineering, Cincinnati, Ohio, 1993

REGISTRATIONS

Professional Engineer #54281, Florida; Professional Engineer #62271, Ohio

PROFESSIONAL ASSOCIATIONS

Member, Stormwater Environmental Utility Advisory Committee, Sarasota County

Member, Citizen's Oversight Committee for Public School Facility Planning, Sarasota County School Board

American Society of Civil Engineering, Scholarship Committee; Toothpick Bridge Committee; Suncoast Branch Webmaster; Member

AWARDS

2010 American Society of Civil Engineers Suncoast Branch, Engineer of the Year

2002 American Society of Civil Engineers Suncoast Branch, Government Engineer of the Year

PROJECT EXPERIENCE

Honore Avenue Improvements (Bee Ridge Road to Fruitville Road), Sarasota County, Florida (Project Engineer)

Responsible for stormwater management system design, permitting, and project management support. This design-build contract entails the 2.5-mile extension a critical missing link of one of the few north-south thoroughfares in the County. The result is the standard context for sensitive design and Low Impact Development strategies in the region. Innovative lane and median configuration saves more than 75% of the existing high value trees within the previously dedicated right-of-way. \$1 million

Honore Avenue - Phase V (Southern Terminus to SR 681), Sarasota County, Florida (Project Manager)

Responsible for stormwater management system design, permitting, and project management support. Stantec provided surveying, design, landscape architecture and permitting services for the construction of Honore Avenue from its current southern terminus to State Road 681. This 14,000 linear feet of new roadway is intended to serve future development parcels within Palmer Ranch and provide a critical alternative north-south roadway through central county. \$1.2 million

* denotes projects completed with other firms

Molly C. Williams PE

Project Manager, Civil Engineering

North Cattlemen Road, Roadway Improvement Project, Sarasota County, Florida (Project Engineer)

Responsible for the update of the Cooper Creek Watershed Model for revised existing conditions model and proposed conditions model. Accountable for the design and permitting of the stormwater management system for the North Cattlemen Road roadway improvements. \$1.1 million

Pinecraft Neighborhood Plan*, Sarasota County, Florida (Public Works, Sidewalk Program Coordinator)

Responsible for the development of conceptual safety improvements for a high pedestrian traffic area including modified road cross-section to widen sidewalks, mid-block crossings, and enhanced intersections. Provided support for public meetings and cost estimates for proposed improvements. Provided support during presentation to the Board of County Commissioners for the adoption of the plan. \$N/A

North Sarasota Neighborhood Plan*, Sarasota County, Florida (Public Works, Sidewalk Program Coordinator)

Responsible for the development of a sidewalk network to provide safe walking routes to schools for students of Booker Elementary School. Provided support for public meetings, cost estimates for proposed infrastructure improvements, and identified potential traffic calming locations. Provided support during presentation to the Board of County Commissioners for the adoption of the plan. \$N/A

Midnight Pass Road Project*, Sarasota County, Florida (Project Manager)

Responsible for the design and construction of three miles of four-foot wide bike lanes from Old Stickney Point Road to the southern terminus of Midnight Pass Road. Design began in July 2002 and construction was completed by December 2003. \$N/A

Regional Sidewalk Network Prioritization*, Sarasota County, Florida (Public Works, Sidewalk Program Coordinator)

Responsible for developing area-based sidewalk networks to provide safe walking routes to schools for students and enhance overall pedestrian mobility throughout Sarasota County. Sidewalk networks were designed to improve pedestrian access to public transportation, employment centers, shopping centers, and recreational facilities. Made two presentations to the Sarasota County Board of County Commissioners regarding the Sidewalk Network work plan and the plan was adopted by the Board in February 2005. \$N/A

Brentwood Elementary School Sidewalks*, Sarasota County, Florida (Project Manager)

Responsible for the design and construction of nearly three miles of sidewalk surrounding an elementary school with a waterline replacement project. Maintenance of pedestrian traffic was critical with over 75% of the school's students within a one-mile radius of the school. N/A

Clark Road and Honore Avenue Intersection, Sarasota County, Florida (Project Engineer)

Project Engineer for the update of the Little Sarasota Bay Watershed Model for the revised existing conditions model, final design, and permitting of the stormwater management system for the Clark Road and Honore Avenue intersection improvements. \$400,000

Proctor Road Roadway Improvements, Phase II, Sarasota County, Florida (Project Engineer)

Project engineer for Proctor Road roadway improvements between McIntosh Road and Honore Avenue and Bliss Road from Proctor Road to Wilkinson Road. The design includes widening of Proctor Road from two lanes to four lanes including bike lanes, landscaped medians, access management, lighting, sidewalks, and safety improvements on Wilkinson Road. \$700,000

US 301 Segment B Roadway Improvements, Manatee County, Florida (Drainage Engineer)

Drainage Engineer for US 301 Segment B roadway improvements between Erie Road and CR 675. The design includes a stormwater management plan utilizing five joint use ponds for widening of US 301 from two lanes to a six lanes, with pedestrian and bicycle access, and access management. The project was a public / private partnership requiring the development of joint pond agreements between FDOT, four private developments, and the Parrish Fire District. \$1.6 million

* denotes projects completed with other firms



Molly C. Williams PE

Project Manager, Civil Engineering



Matthew R. Crim P.E.

Transportation Engineer, Traffic and Intersection Engineering



Mr. Crim offers extensive experience in transportation feasibility studies for future large-scale and local developments in the fast-growing northern Florida region. He specializes in complete infrastructure design including roadways, parking layouts, stormwater collection and treatment, potable water distribution, and permitting on the federal, state, and municipal levels. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, Gainesville, Florida, 2002

Master of Engineering, University of Florida, Gainesville, Florida, 2005

REGISTRATIONS

Professional Engineer #68297, Florida; Professional Engineer #102538, Texas

PROFESSIONAL ASSOCIATIONS

Member, Institute of Transportation Engineers

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

Honore Avenue Phases I-V (S.R. 681 to Palmer Ranch Parkway), Sarasota County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. Stantec provided surveying, design, and permitting services for the construction of Honore Avenue from State Road 681 to Palmer Ranch Parkway. This 5-mile stretch of new roadway is designed to serve as a major County north-south arterial and as access to development parcels within Palmer Ranch. \$1 million

US 319 Alternative Corridor Study, Wakulla County, Florida (Transportation Engineer)

Responsible for overall project-related traffic analysis, studies, and master plans. This study identified and evaluated alternative north/south roadway corridors to help alleviate congestion on US 319 in rapidly growing Wakulla County and encompassed more than 62,000 acres. \$73,000

Sarasota Memorial Hospital Main Campus Traffic Services, Sarasota County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. A critical component of the successful expansion of the SMH facility is the reconfiguration of traffic and pedestrian circulation both around and accessing the site. Stantec provided designs for site circulation and access management, and traffic/pedestrian data collection services for the multiple improvements to the main campus. \$125,000

Central Sarasota Parkway - I-75 Interchange PD&E Study & Final Design, Sarasota County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. Stantec conducted the Project Development and Environmental (PD&E) Study and final design on behalf of Sarasota County, Palmer Ranch, and the FDOT District 1. The interchange will complete the extension of Central Sarasota Parkway from Honore Avenue to I-75 and provide new access to and from the interstate for area residents. \$2.75 million

Honore Avenue - Phase V (Southern Terminus to SR 681), Sarasota County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. Stantec provided surveying, design, landscape architecture and permitting services for the construction of Honore Avenue from its current southern terminus to State Road 681. This 14,000 linear feet of new roadway is intended to serve future development parcels within Palmer Ranch and provide a critical alternative north-south roadway through central county. \$1.2 million

Plantation at Freeport, Walton County, Florida (Transportation Planner)

Responsible for project-related traffic analysis, studies, and master plans. Multiple site development services were included for the Plantation at Freeport, a 500-acre mixed-use development, including master planning, landscape architecture, ecological investigations and Comprehensive Plan Amendment preparation. Project goals include setting aside 50 percent of the lands for open space. \$185,000

* denotes projects completed with other firms

Matthew R. Crim P.E.

Transportation Engineer

Clark Road/Gantt Road/Approach Road Intersection Analysis, Sarasota County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. On behalf of Sarasota Memorial Hospital, Stantec performed an intersection capacity analysis at the Clark Road/Gantt Road/Approach Road intersection using Synchro software. The analysis accounted for the redistribution of traffic facilitated by a new access road from the Sarasota Memorial Care Center East Campus to Approach Road. The analysis demonstrated that the adopted level of service at the intersection was maintained with the redistribution of traffic. \$30,000

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida (Project Engineer)

Responsible for sidewalk design. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$72,000

Glenview Drive Sidewalk Improvements, Leon County, Florida (Project Engineer)

Responsible for sidewalk design. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 4,400 feet of proposed sidewalk along Glenview Drive. The project is part of the City's Residential Sidewalk Program. \$55,000

Panama City-Bay County International Airport, Bay County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. Stantec prepared the future land use amendments to the City of Panama City Comprehensive Plan for the redevelopment of the Panama City-Bay County International Airport. The area addressed by the proposed amendment encompasses the 700-acre airport, developed and currently operating as a commercial airport, and located in the City, on the eastern edge of ecologically sensitive North Bay. The proposed new Urban Community land use category is designed to provide for the development of functionally integrated mixed-use communities and to enhance existing urban areas served by public water, sewer, and transit through infill and redevelopment. \$535,000

Lake Placid Groves Plan Amendment/DRI/MPUD Zoning, Highlands County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. The development of this unique property North of the Town of Lake Placid in Highlands county with both US 27 and SR 17 dividing several areas has defining natural elements, a varied topography, adjacent natural preserve with bear habitat, and the three beautiful Lake Nellies. These elements are instrumental in the creation of a new village community that is health conscious in design to maintain walkability, provide job creation opportunities and design for aging in place. \$1 million

Woodbrook, Manatee County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. Multidisciplinary services including planning, engineering, surveying and permitting are being provided for this mixed-use project including a shopping center and residential development. \$578,000

Veley Groves Equestrian Community Planning Services, Highlands County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. Stantec assisted with the PUD rezoning for this 1,557-acre upscale, equestrian community located on SR 70 on the central Florida ridge. It is approved for 311 units on lots ranging from one to five acres. \$253,000

Shoal River Ranch Preliminary Planning Evaluation, Okaloosa County, Florida (Transportation Engineer)

Responsible for project-related traffic analysis, studies, and master plans. This land planning study was performed for a 10,000-acre tract of land comprised of agricultural areas, silviculture areas, and undeveloped areas. Development constraints, potential development permitting requirements, and various approaches to obtaining desired entitlements were analyzed for the preliminary land plans. \$52,500

* denotes projects completed with other firms

Wayne P. Hartt PE, PTOE

Senior Project Manager, Traffic and Intersection Engineering



Mr. Hartt is responsible for the coordination of all engineering design disciplines required for new construction, widening, and rehabilitation of arterial roadways, interstate highways, bridge replacements, and intersection improvements. As the engineer of record, he supports projects during right-of-way acquisition proceedings and provides post-design support to projects during construction. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, University of Massachusetts, Amherst, Massachusetts, 1984

REGISTRATIONS

Certified Professional Traffic Operations Engineer #2748, Institute of Transportation Engineers

Professional Engineer #48062, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Institute of Transportation Engineers

Member, Florida Engineering Society

Member, American Society of Civil Engineers

Member, American Public Works Association

PROJECT EXPERIENCE

Vanderbilt Drive & Wiggins Pass Intersection Improvements, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided design plans improvements to the intersection at Vanderbilt Beach Road and Wiggins Pass. Services included performing a traffic signal warrant study, signalization design (mast arms), roadway design for left and right turn lanes, sidewalk improvements, signing, pavement markings, stormwater management design, and contract specifications package preparation. \$56,600

Intersection Improvements at Immokalee Road and Wilson Boulevard, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec has been providing extensive transportation engineering services to Collier County to meet the growing traffic demands on local roadways. This intersection design required the extension of a double 10-foot by five-foot box culvert to accommodate the addition of left and right turn lanes and to provide adequate sight distances. \$50,000

Livingston Road Signalization Improvements, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec developed the mast arm signalization design of four intersections for Livingston Road, a new four-lane roadway in Collier County, between Radio Road and Golden Gate Parkway. This design project included initial timings and technical specifications for implementing signal coordination, as well as 1.6 linear miles of highway lighting. \$16,000

Golden Gate Parkway - Santa Barbara Boulevard Intersection Analysis, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec was retained by the County to analyze the operational characteristics of the Golden Gate Parkway and Santa Barbara Boulevard intersection in order to improve the capacity and efficiency of traffic flow. Stantec performed the analysis and made recommendations for turn lane improvements and optimum signal timings. \$100,000

Vanderbilt Drive Area Corridor Study, Collier County, Florida (Lead Transportation Engineer)

Responsible for overall project transportation engineering elements. Stantec provided a corridor study of four miles of a two-lane undivided arterial with a rural cross section. Services included transportation planning, environmental assessment, and public participation coordination. \$255,000

* denotes projects completed with other firms

Wayne P. Hartt PE, PTOE

Senior Project Manager

Santa Barbara Boulevard at Golden Gate Parkway Intersection Improvements, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec's transportation design team provided signalization, signing, and pavement marking design for intersection improvements for this intersection located at the entrance to the Golden Gate Community Park in Collier County. \$4.7 million

Immokalee Road at Randall Boulevard Intersection Improvements, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided conceptual and final design services for the realignment of Randall Boulevard in Collier County. The realignment will improve the existing adverse skew and also align Randall Boulevard opposite a nearby street. \$90,000

Golden Gate Parkway at Livingston Intersection Improvements, Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided final signalization design plans for the monotube structure - the first of its kind in Collier County. Due to the overall pavement width at the intersection, this traffic signal design project involved a study of the feasibility of cantilevered mast arm signalization supports versus a simply supported monotube structure. \$61,000

Summerlin Road Access Management Study, Lee County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Lee County called upon Stantec's transportation experts to analyze six access management alternatives for a six-lane build-out of Summerlin Road extending from San Carlos Boulevard to Gladiolus Drive. \$77,000

Annual Fixed Term Engineering Contract, Collier County, Florida (Lead Transportation Engineer)

Responsible for project transportation engineering elements. Collier County has awarded Stantec a two year ongoing general engineering services contract that includes engineering, traffic engineering, landscape architecture, transportation planning, construction engineering and inspection, and surveying. >200,000

US 1 (SR 5) / Titusville Revitalization, Brevard County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. This project entails landscape design, restoration, and parking studies for the one-way pairs on US 1 through historic downtown Titusville. Stantec provided streetscape design, detailed construction documentation, and specifications for landscape, lighting, site furnishings, hardscape elements and signage. \$2 million

Vanderbilt Beach Road Extension (Collier Boulevard to Desoto Avenue), Collier County, Florida (Project Manager and Engineer-of-Record)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec was retained as a sub-consultant to the project prime to provide transportation engineering and permitting services for capacity improvements to the 5.6-mile extension of Vanderbilt Beach Drive from Collier Boulevard to Desoto Road. Services also included preparation of Traffic Control Plans. \$572,000

Broadway Avenue, Lee County, Florida (Lead Transportation Engineer)

Responsible for design oversight for signalization design, signing and pavement markings, and maintenance of traffic design. Stantec's team of transportation engineers completed the preliminary design for the widening, intersection improvements, and realignment of 3.5 miles of an existing two-lane undivided roadway located within the City of Fort Myers. The first two phases of the final design of approximately one mile of the roadway was also provided. \$\$195,000

Randy D. Mason

Senior Transportation Designer, Traffic and Intersection Engineering



Stantec

Offering several decades in technical design support for transportation projects, Mr. Mason currently focuses on the production of plans for major highway projects. His projects include the realignment and reconstruction of roadways, reconstruction design of navigation locks, bridge replacements, and water and wastewater treatment facilities. Mr. Mason is experienced with Microstation, GEOPAK, Synchro/SIM Traffic, GuidSign, AutoTurn, AG132, AutoCAD, and Inroads highway design. All dollar values are representative of fee.

PROJECT EXPERIENCE

SR 130*, Erie, New York (Project Designer)

Responsible for design for the reconstruction and realignment of S.R. 130 (Broadway) from S.R. 277 (Union Road) to S.R. 78 (Transit Road) for NYDOT, Region 5 project. Responsibilities included the replacement of three railroad overpass structures, roadway realignment alternatives, and signing and pavement markings. \$N/A

SR 36*, Livingston, New York (Project Designer and Production Manager)

Responsible for a 51-foot prestressed slab structure that carries S.R. 36 over Buck Run Creek in the town of Mt. Morris, New York. \$N/A

SR 98, Orleans, New York (Project Designer and Production Manager)

Responsible for the reconstruction and realignment of S.R. 98, including a 96-foot single span plate girder structure that carries S.R. 98 over Marsh Creek in the town of Carlton for the NYDOT, Region 4. \$N/A

Cattlemen Road Widening and Improvements Design (Bee Ridge Road to Fruitville Road), Sarasota County, Florida (CAD Designer)

Responsible for signalization design and plans production for two intersections within the project. Sarasota County engaged Stantec to design improvements for approximately 2.8 miles of Cattlemen Road from Bee Ridge Road to Fruitville Road. The improvements included widening the existing two-lane roadway to four lanes with center left turn lanes, bike lanes, curbs and gutters, sidewalks, and street lighting. \$2.6 million

SR 417 and 432*, Steuben, New York (Project Designer and Production Manager)

Responsible for the realignment and reconstruction of two state roads in the Village of Addison for Region 6 of the NYDOT. \$N/A

I-75 6-Laning Design (Lockett Road to SR 80), Lee County, Florida (CAD Designer)

Responsible for overhead signing, pavement marking, ITS improvements and high mast, underdeck and overhead sign lighting design and plans production. Stantec won the contract for services to design roadway improvements and bridge/structural improvements for a stretch of Interstate 75 from Lockett Road to just south of SR80 including roadway design engineering, drainage, utility coordination, permitting, signing and pavement marking. I-75 is the main interstate highway system in Southwest Florida linking Lee and Collier counties to Tampa in the North and Miami to the East. \$1.8 million

SR 417*, Steuben, New York (Project Designer and Production Manager)

Responsible for the realignment and reconstruction of S.R. 417, including a 72.5m single span plate girder structure with mechanically stabilized earth system over Conrail switchyard in the town of Erwin for the New York State Department of Transportation (NYDOT), Region 6. Major design challenges included reverse curve super-elevation transitions on the bridge deck and maintenance of traffic phasing. \$N/A

Business 41 (Littleton Road to US 41), Lee County, Florida (CAD Designer)

Responsible for lighting design and plans production. Stantec provided the design for the reconstruction of 1.5 miles of two-lane rural collector to a four-lane divided arterial. Innovative designs were incorporated to minimize cost resulting in total project cost savings estimated at \$20 million. Design included signing and pavement marking, lighting, utility coordination, bridge replacement, stormwater improvements, and signalization. \$1.7 million

* denotes projects completed with other firms

Randy D. Mason

Senior Transportation Designer

US 1 (SR 5) / Titusville Revitalization, Brevard County, Florida (CAD Designer)

Responsible for signing, pavement marking and signalization design and plans production as well as post-design services during construction. This project entails landscape design, restoration, and parking studies for the one-way pairs on US 1 through historic downtown Titusville. Stantec provided streetscape design, detailed construction documentation, and specifications for landscape, lighting, site furnishings, hardscape elements and signage. \$2 million

Vanderbilt Beach Road Extension (Collier Boulevard to Desoto Avenue), Collier County, Florida (CAD Designer)

Responsible for design of the new roadway profile. Stantec was retained as a sub-consultant to the project prime to provide transportation engineering and permitting services for capacity improvements to the 5.6-mile extension of Vanderbilt Beach Drive from Collier Boulevard to Desoto Road. Services also included preparation of Traffic Control Plans. \$572,000

SR 85 Improvements (SR 397 to SR 85 North), Okaloosa County, Florida (CAD Designer)

Responsible for signing, pavement marking and signalization design and plans production. Stantec was contracted to widen SR 85 from an urban 4-lane road to a 6-lane roadway. Additional work includes access management modifications, signalization, drainage improvements, signing and pavement marking, and safety items, in addition to permitting. Specific duties included signing, pavement marking and signalization design and plans production. \$495,000

Santa Barbara Boulevard Six Laning (Davis Boulevard to Pine Ridge Road), Collier County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production. Collier County Board of County Commissioners engaged Stantec to provide design and permitting services for the reconstruction and six-laning of approximately 5.1 miles of Santa Barbara Boulevard, an urban arterial roadway in Collier County. The contract required the preparation of a Traffic Engineering Report and representation at public meetings. Specific duties included signing, pavement marking, lighting and signalization design and plans production. Responsible designer for post-design services during construction as well as design and plan revisions based upon field conditions and production of as-built plans. \$4.7 million

SR 50 (Orange Blossom Trail to Bennett Ave) Signalization Modifications & Upgrades, Orange County, Florida (CAD Designer)

Responsible for assisting with project technical design and document production that included signing, pavement marking and signalization design. Stantec provided rehabilitation and streetscaping for this project which included Joint Agreements with the FDOT and the City of Orlando to rehabilitate the roadway, modify 17 signalized intersections to include pedestrian features and video detection, drainage Improvements, and landscaped bulb-outs along important urban corridor. \$255,000

SR 951 Big Marco Pass Bridge (Jolley Bridge) Design Build, Collier County, Florida (CAD Designer)

Responsible for roadway widening, signing, pavement marking and lighting design and plans production as well as post-design services during construction. Stantec is working with the design-build team of FIGG Engineering and Johnson Brothers Construction to complete a new two-lane bridge parallel to the existing bridge span. \$810,000

SR 951 at Marco Island Bridge, Collier County, Florida (CAD Designer and Production Manager)

Responsible for roadway lighting, fishing pier lighting, underdeck lighting, bridge navigation lighting, signing, and pavement markings. This project entailed engineering, surveying, and CEI services for the FDOT, District 1 for two new 1,600 foot-long bridge spanning Big Marco River on SR 951. is also responsible for environmental permitting for this new bridge that provides additional capacity for hurricane evacuation. \$600,000

US Route 62*, Erie, New York (Project Designer and Production Manager)

Responsible for roadway reconstruction including 98-foot and 87-foot prestressed box beam structures that carry Route 62 over Clear Creek in the town of Collins, New York. Minor design responsibilities included temporary diversions at both sites for maintenance of traffic. \$N/A

SR 88*, Wayne, New York (Project Designer and Production Manager)

Responsible for the realignment and reconstruction of S.R. 88, including a 180-foot, two-span, continuous curved girder structure over Conrail in the Town of Newark for Region 4 of the NYDOT. \$N/A

* denotes projects completed with other firms

Theresa R. Carron

Project Manager, Contract Manager - Traffic and Intersection Engineering



Ms. Carron provides valuable technical support for civil engineering, survey, environmental, and GIS projects throughout Florida. She is responsible for managing various projects for the Florida Department of Environmental Protection (FDEP). Her background includes technical writing, marketing, presentations, fiscal management, coordination, and scheduling. All dollar values are representative of fee.

EDUCATION

Bachelor of Arts, Business Administration, Flagler College, Saint Augustine, Florida, 2002

Professional Education Center, Project Management for Engineers, US, 2006

PROFESSIONAL ASSOCIATIONS

Member, American Public Works Association

AWARDS

2002 Departmental Award for The School of Business, Flagler College

PROJECT EXPERIENCE

Buck Lake, Pedrick and Walden Roads Sidewalk Improvements, Leon County, Florida (Lead Designer)

Responsible for plans production including 'raw' survey data processing, conceptual plans production, and preliminary, on-site research. This public safety improvement project involved building new sidewalks in various portions of the unincorporated areas of Leon County and within the City of Tallahassee. Stantec was retained to provide a complete set of sidewalk construction plans including the structural design of a boardwalk crossing, a prefabricated steel bridge, data collection, design surveys, utility coordination, cost estimate and quality control reviews. \$72,000

Walton County Maintenance Facility, Walton County, Florida (Task Manager)

Responsible for oversight of specific project activities. Civil engineering design, surveying and associated permitting services for a 9,000 s.f. maintenance facility was provided for the County. \$107,000

Honore Avenue Phases I-V (S.R. 681 to Palmer Ranch Parkway), Sarasota County, Florida (CAD Designer)

Responsible for assisting with editing plans, profile and created cross section drawings. Stantec provided surveying, design, and permitting services for the construction of Honore Avenue from State Road 681 to Palmer Ranch Parkway. This 5-mile stretch of new roadway is designed to serve as a major County north-south arterial and as access to development parcels within Palmer Ranch. \$950,000

Paul Russell Road Sidewalk Improvements, Leon County, Florida (CAD Designer)

Responsible for plans production including conceptual plans production and preliminary, on-site research. The City of Tallahassee retained Stantec to design and prepare contract plans and documents for the construction of approximately 6,300 l.f. of proposed sidewalk along Paul Russell Road from Apalachee Parkway to Monday Road. The project is part of the City's Residential Sidewalk Program. \$82,000

Dempsey Mayo Sidewalk Improvements, Leon County, Florida (CAD Designer)

Responsible for plans production including 'raw' survey data processing, conceptual plans production, and preliminary on-site research. Production utilized FDOT Design Standards for crosswalks, pavement markings, intersection site distance calculations, and ADA ramp design. In a continuing effort to improve public safety, Leon County contracted Stantec for professional design and permitting services for the construction of new sidewalks along Dempsey Mayo Road from Miccosukee Road to Mahan Drive (US 90) for approximately 5,000 feet. \$30,000

* denotes projects completed with other firms

Theresa R. Carron

Project Manager

SR 85 Improvements (SR 397 to SR 85 North), Okaloosa County, Florida (CAD Designer)

Responsible for incorporating historic data into compliance with FDOT CADD Standards by utilizing MicroStation V8, GEOPAK, and FDOT's proprietary QA/QC software. Stantec was contracted to widen SR 85 from an urban 4-lane road to a 6-lane roadway. Additional work includes access management modifications, signalization, drainage improvements, signing and pavement making, and safety items, in addition to permitting. \$495,000

University Parkway - I-75 Interchange Improvements Design, Sarasota County, Florida (CAD Designer)

Responsible for assisting with editing plans and profiles. Stantec provided the design of a \$9 million improvement to an existing I-75 interchange with an annual average daily traffic (AADT) volume of 40,000 vehicles per day. The project included the addition of new turn lanes and travel lanes, widening, milling and resurfacing of 30,000 square yards of pavement; signalization; pavement markings; and bicycle lanes. \$295,000

Florida Turnpike Projects*, Multiple Sites, Florida (Graphic Artist/CAD Technician)

Instrumental in preparing traffic studies, traffic counts, and presentations for public hearings, and the published notices for multiple projects. Created project maps used on the Turnpike's Internet site. Developed graphics and assisted in the design and editing for the Turnpike's Comprehensive Annual Report. This report earned the Government Finance Officers Association of the United States and Canada (GFOA) Certificate of Achievement for Excellence in Financial Reporting. Worked with The Department of Toll Operations' SunPASS Prepaid Toll Program by editing photographs to reflect electronic toll collection instrumentation. \$N/A

Horn Island Housing Triplex and Utilities Replacement, Jackson County, Mississippi (Task Manager)

Responsible for oversight of preliminary survey activities. Provided design support and plans production. Acted as a liaison to National Parks Service, U.S. Department of the Interior's Denver Service Center for digital submittal compliance. Produced and transmitted submittals for client comment. This design/build contract entails the replacement of National Parks Service Ranger residences and corresponding utilities on Horn Island that were destroyed by Hurricane Katrina. \$137,000

West Ship Island Buildings and Utility Replacement, West Ship Island, Mississippi (Task Manager)

Responsible for oversight of preliminary survey activities. Provided design support and plans production. Acted as liaison to the National Parks Service, U.S. Department of Interior's Denver Service Center for digital submittal compliance. Produced and transmitted submittals for client comment. This design/build contract entails the replacement of NPS residences, ranger stations, first aid station, bunkhouse, public-access restroom facilities, concessions and corresponding utilities (water, sewer, fuel, electric, solar) on West Ship Island that were destroyed by Hurricane Katrina. \$232,000

Franklin Correctional Institution Work Camp, Franklin County, Florida (Task Manager)

Responsible for oversight of specific project activities. This new 17-building work camp required Stantec's design and permitting services for a new utility distribution system (potable/reuse water, sanitary sewer, stormwater, LPG, electrical, communications, and security raceways). Technical Specifications and Opinion of Probable Cost were also provided. \$288,000

Hurricane Dennis Boardwalk Repair & Rebuilds, Walton County, Florida (Task Manager)

Responsible for implementing FBC and ADA guidelines during design and production plans. During the 2004 and 2005 hurricane seasons, Walton County had to rebuild and repair numerous public access wooden boardwalks as the direct result of storm surge and beach erosion. Several storms and hurricanes took their toll on wooden boardwalks, both in recovery and reconstruction costs. Designs met FBC and ADA requirements as well as FDEP and Coastal Construction Control Line (CCCL) guidelines and was fast-tracked for public safety. \$20,000

Lake Henrietta Trailhead Development Services, Leon County, Florida (Lead Designer)

Responsible for plans production. The Lake Henrietta Trailhead serves as the initial phase in Leon County's greenway project. Stantec provided multiple services for the design of the trailhead facility that provides trail access, 10 vehicular parking spaces, pedestrian circulation, and layout of facilities. Planting and irrigation design was also provided. \$72,700

* denotes projects completed with other firms

B. Experience with Projects of a Similar Type and Size

Stantec has the expertise to provide a full-range of traffic signal planning, design, and construction services from isolated signalized intersections to computer-based traffic signal systems.

Stantec has prepared traffic signal and intersection designs at hundreds of locations across North America. Our experience ranges from simple, single-intersection designs to complex multi-phase signals, interstate interchanges, and the resolution of problematic design constraints. This experience involves different system types and communication media including Time-Based Coordination (non-interconnected), microwave-based coordination, hardwire interconnect with an on-street master controller, spread spectrum radio, PC-based systems (closed loop systems), central computer systems, and fiber optic cable.

Stantec's extensive experience in the design of traffic control systems includes traffic control and advance warning signals; lane control and counter flow systems; and special purpose traffic systems. Our experience also includes the design of numerous advance warning, emergency vehicle, and railway preemption signals. An in-depth knowledge of all major manufacturers equipment in the traffic control field ensures the proper application of the best equipment and design methodology for the project. Stantec has also undertaken signal preemption and detector technology studies for several clients.

For coordination analysis, we have extensive experience using SYNCHRO and TRANSYT-7F to fully evaluate existing operations, optimize the signal operations, and to develop clear comparisons between before and after measures of effectiveness.

Furthermore, Our impressive portfolio includes public and private sector clients, and our array of services include: community/long range transportation plans, public participation consultation, interchange planning and design, infrastructure management, pavement maintenance/rehabilitation, economic analysis & feasibility studies, safety reviews/audits, traffic signals and signage, and traffic impact assessments.

At WilsonMiller Stantec we enjoy a reputation for high quality service delivery. Through our people, best practices, partnerships, and technology, we support the delivery of projects varying in size and complexity and provide our clients with first-rate results.

Magnolia Drive/Lafayette St. Intersection Improvements; Leon County, Florida; City of Tallahassee, Allen Secreast, 850.891.8273 and Kim Wood, 850.488.8003; Completed 2007

This project includes lengthening existing left turn lanes on Lafayette Street, intersection resurfacing and cross slope correction, replacement of span-wire traffic signals with mast arms, addition of sidewalks, and drainage improvements. Services provided include roadway design, drainage design, permitting, utility coordination, signing and pavement markings, and signalization. Key staff: Ted Aiken, Project Manager; Matthew Crim, Engineer; Randy Mason, Engineering Designer; Wayne Hartt, Signalization.



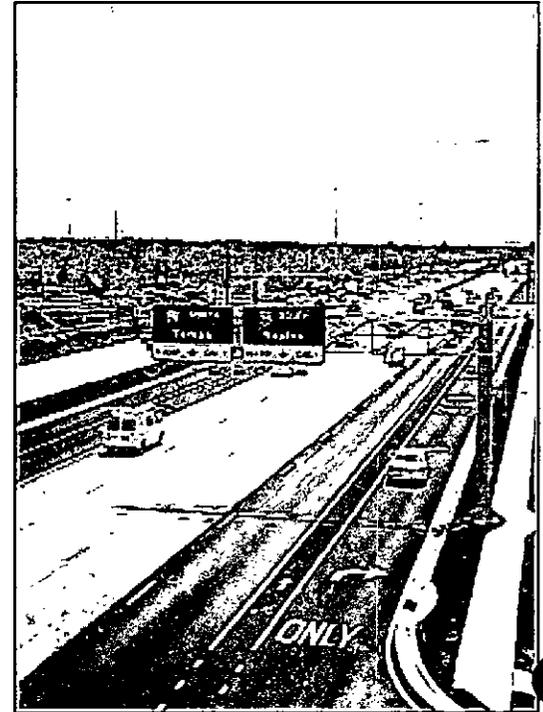
Services we provide under
Traffic and Intersection
Engineering include:

- Intersection design/modifications
- Signalization
- Additional lanes/turn-lanes
- Drainage/stormwater treatment
- Traffic modeling
- Pedestrian access
- Signal warrant studies
- Multi-stop warrant studies

Cattlemen Road / Fruitville Rd. Intersection Improvements; Sarasota County, Florida; Sarasota Board of County Commissioners, Carolyn Eastwood, 941.861.0890; Completed 2008

WilsonMiller was retained to design and permit improvements to one of Sarasota's major intersections at Cattlemen and Fruitville Roads. The project involved a developer agreement with two developers and the County.

Complicated by the addition of a second developer during the design process resulting in a conceptual design change, the project also involved a land exchange necessary for the intersection's improvements. As the project prime, WilsonMiller coordinated several engineering design teams in addition to multiple agencies and vested developers. Despite these obstacles, the project's progress met both time and design criteria and was constructed to the ultimate configuration. Significant permitting issues were addressed with the Florida Department of Transportation, Sarasota County, Southwest Florida Water Management District and the Florida Department of Environmental Protection. Key staff: Ted Aiken, Engineer; Frank Domingo, Transportation Engineering/Planning; Bob Halbach, Civil Engineer; Molly Williams, Engineer.



DeSoto County Long Range Transportation Modeling, DeSoto County, Florida, DeSoto County, Jason Green, 863.993.4806; Completed 2008

WilsonMiller Stantec provided transportation planning services that included the updating of the Long Range Transportation Model, modifying and creating Traffic Analysis Zones (TAZ's), modifying socio-economic data and adding future roadway facilities through the year 2030. The services included meeting with the Department of Community Affairs (DCA) to address technical review comments, the development of a future roadway network map through the year 2050 for right-of-way reservations and a 15-year Capital Improvement Program to demonstrate the long-term financial feasibility of the transportation network. The Comprehensive Plan Amendment was subsequently approved by DCA.

Section 2 – Specific Work Category - B. Experience

University Parkway/Lockwood Ridge Road Intersection Improvements, Sarasota County, Florida; Manatee County Project Management Department; Peter Bonk III, 941.708.7450; Completed 2007

The University Parkway/Lockwood Ridge Road intersection improvements were recently constructed to the ultimate configuration with three new traffic signals. This project was a public/private partnership between Sarasota and Manatee Counties and a developer.

The new coordinated signals and relocated utilities were included in the design of this busy commercial intersection. The project included the installation of new water meter instrumentation and telemetry for a major existing 30" water main. The project team also worked closely with Counties to expedite acquisition of the necessary right-of-way. We also designed lengthened turn lanes, additional dual left turns, and exclusive right turn lanes in all four quadrants. A major design challenge was the coordination between Sarasota County, Manatee County and Developers on design and scheduling of a joint-project. Key staff: Ted Aiken, Engineer; Theresa Carron, Engineering Design; Frank Domingo, Transportation Engineer; Bob Halbach, Civil Engineer; Molly Williams, Engineer.

Services provided on the University Parkway/Lockwood Ridge Road Intersection Improvements project include:

- design and right-of-way control surveys
- traffic engineering
- developing preliminary and final concept plans
- topographic survey
- subsurface utility locates
- concept development
- cost estimates
- intersection design
- drainage design
- lighting design
- utility coordination and design
- maintenance of traffic plans
- signalization design
- *final bid documents*
- *bid phase services*
- *construction engineering and inspection*

Palmer Ranch Biennial Traffic Monitoring Report; Sarasota County, Florida; Justin Powell, Palmer Ranch Holdings, 941.922.0759; Completed 2010

A 10,000-acre land holding in central Sarasota County, Palmer Ranch is one of the largest master-planned communities in the state. Based upon a conceptual master plan prepared by WilsonMiller, the north 5,000 acres of this property has been approved in a Master Development Order for a Development of Regional Impact (DRI). The development plan included a housing mix of 10,500 units, employment centers with four million square feet of office, industrial, and commercial uses, and recreational and lake facilities.

In particular, our team was responsible for transportation planning services including the preparation of transportation concurrency analyses for Increments V (Parcel Q), 140,000 square foot Big Box Building Supply store, VII (Parcel B-3) through rezoning and Settlement and Road Impact Fee Credit Agreement negotiations. Instrumental in the extension of the Settlement Agreement between Sarasota County and Palmer Ranch for 20 years through the year 2029. Stantec was contracted to implement the master plan this 10,000-acre property, which includes a 5,200 Master DRI approved for 10,500 dwelling units and three million square feet of commercial, office and industrial development. A 680-acre parcel along SR 681 is part of the Sarasota County Energy Economic Zone and is currently being planned as a model sustainable community, including a major employment center to attract clean technology and other businesses to create green jobs.



Northeast Regional Park Signal Warrant Study, Polk County, Florida; Polk County Parks and Recreation, Bob Weidrich, 863.534.4340; Currently Ongoing

Stantec performed a traffic signal warrant analysis at the intersection of Poitras Road 2 and US 27. The analysis was prepared in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) and submitted to the Florida Department of Transportation (FDOT) District 1. US 27 is a critical route designated as part of the Strategic Intermodal System. The FDOT subsequently issued a permit for an emergency traffic signal. Key staff: Neale Stralow, Landscape Architect; Frank Domingo, Transportation Engineer/Planner.

Franklin County Concurrence Management System, Franklin County, Florida; Alan Pierce, Franklin County Planning Department, 850.653.9783; Completed 2010

WilsonMiller Stantec was tasked with helping Franklin County set up a Concurrence Management System (CMS). An inventory of existing traffic volumes, historic growth rates and maximum service volumes was documented for all functionally classified roadways in the County. The inventory was used to create a CMS Spreadsheet for use by the County. WilsonMiller then prepared the Traffic Impact Analysis Guidelines which describe the requirements, procedures and methodology for the submission of a traffic impact analysis to Franklin County. The guidelines provide an equitable, consistent and systematic means of determining the future impact of proposed developments while maintaining the adopted level of service on roadways in the County. Key staff: Chris Brockmeier, Principal; Frank Domingo, Transportation Engineer/Planner; Matthew Crim, Engineer; Ray Greer, Planner.

WilsonMiller Stantec created the Traffic Impact Analysis Guidelines for Franklin County to provide an equitable, consistent and systematic means of determining the future impact of proposed developments while maintaining the adopted level of service on roadways in the County.

Choctawhatchee Bridge Investment Grade Traffic & Revenue Study, Walton County, Florida; FDOT District 3, Craig Gavin, 850.638.0250; Completed 2007

Stantec performed an investment grade study to forecast the traffic and revenue potential of an improved Choctawhatchee Bridge, a 3.3-mile, two-lane structure carrying US 331/SR 83 across the eastern end of Choctawhatchee Bay in Walton County, Florida.

The significance of this type of work is that the investment-grade forecasts of gross revenues and net revenues available for debt service are used to demonstrate the project's viability to potential investors and, thereby, to support the ultimate financing of the project. Toward this end, Stantec provided a number of specific tasks, including the following:

- Reviewing available background material, field inspections and surveys;
- Analyzing traffic patterns and trends;
- Assessing socioeconomic factors and growth potentials;
- Investigating development and land use patterns;



Section 2 – Specific Work Category - B. Experience

- Identifying and assessing regional transportation network improvements;
- Reviewing available regional transportation models;
- Developing the toll schedule and collection procedures, reflecting toll practices at comparable facilities;
- Estimating future annual traffic and toll revenue levels on the facility over a 50- year period; and
- Preparing sensitivity scenarios for comprehensive financing analyses.

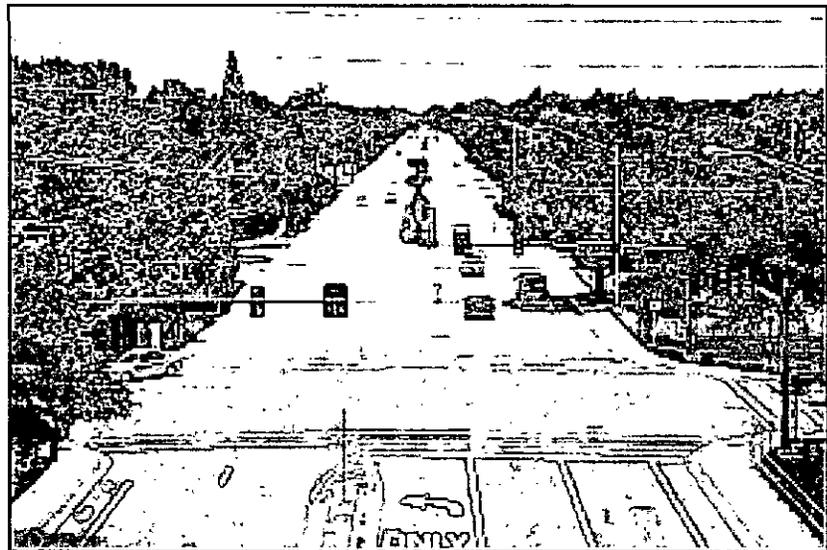
For the analysis, the initial toll collection facility was assumed to use both cash toll collection and Florida DOT's electronic SunPass system. Cash collection would be phased out by 2025, and electronic toll collection would then include video recognition of license plates for vehicles without transponders. Key staff: Chris Brockmeier, Principal

The following services were provided by the WilsonMiller Stantec team on the McIntosh Road project:

- design and right-of-way control surveys
- traffic engineering
- developing preliminary and final concept plans
- landscape and hardscape design
- intersection design
- lighting design
- utility coordination and design
- maintenance of traffic plans

McIntosh Road, Sarasota County, Florida; Sarasota County Public Works, Carolyn Eastwood, 941.861.0890; Completed 2008

WilsonMiller Stantec provided multidisciplinary project development study services for the widening improvements from two to four lanes for two miles of McIntosh Road from Sawyer Loop Road to Hicks Street. Services for this two-phase, 2.5-mile extension included surveying, environmental assessment, preparation of preliminary corridor analysis for connecting two segments north and south of Clark Road, final design right-of-way requirements, permitting, cost estimates, and construction phase services. This project also included a new railroad crossing over the Seminole Gulf railway. WilsonMiller provided these services under a single-source of contract management. Key staff: Ted Aiken, Transportation Engineer; Scott Buttari, Landscape Architect; Bob Halbach, Civil Engineer; Frank Domingo, Transportation Engineer/Planner; Molly Williams, Engineer.

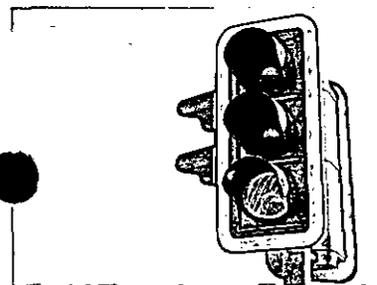
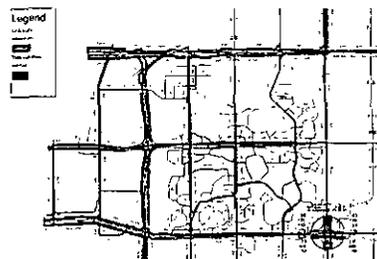


B. Experience With Projects of a Similar Type and Size

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

We are currently under the following contracts that demonstrate our experience in the Traffic and Intersection Engineering category:

Project Name
North Cattlemen Road Extension
Old Kings Road PD&E
Clark Road and Honore Avenue Intersection Improvements
Palmer Ranch Biennial TMR
Honore Avenue Phase V
SR189 from Roberts Boulevard, FDOT
Group 11-02 Resurfacing, FDOT



3/4. Describe the Firm's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for Roadway Design.

There are numerous resources, guidelines, standards, codes, and regulations that are applicable to the fields of Roadway Design and Traffic and Intersection Engineering. Our staff are highly experienced at applying the standards, codes, and regulations that are unique to our discipline. Our vast experience working together on local, state, and federal transportation design projects has equipped us to perform at a very high level of technical competency and efficiency for Leon County on this contract. During negotiations of a task assignment, our Project Manager will involve key personnel on the project in the identification of applicable standards, codes, and regulations, based on the assignment's unique scope of work. We will communicate these project requirements to the County's Project Representative. When there may be a conflict between standards or more than one standard applies, we will work cooperatively with the County to select the most appropriate standards for the project. A partial list of standards, codes, and regulations that may be applicable to task assignments under this contract include, but are not limited to the following:

- Local Government
 - o Tallahassee-Leon County Comprehensive Plan
 - o Leon County Land Development Code
- Northwest Florida Water Management District
 - o Environmental Resource Permitting Rules (Chapter 62-346, F.A.C.)
 - o Noticed General Environmental Resource Permits (Chapter 62-341, F.A.C.)
 - o Applicant's Handbook Volume I
 - o Applicant's Handbook Volume II
- Florida Department of Transportation



- o Design Standards for Design, Construction, Maintenance, and Utility Operations on the State Highway System
- o Standard Specifications for Road and Bridge Construction
- o Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways (Florida "Greenbook")
- o Plans Preparation Manual
- o Flexible Pavement Design Manual
- o Florida Intersection Design Guide
- o Drainage Manual and Handbooks
- o Manual of Uniform Traffic Studies
- o Project Traffic Forecasting Guidelines
- o Bicycle Facilities Planning and Design Handbook
- o Florida Roundabout Guide
- o Median Handbook
- o Traffic Engineering Manual
- AASHTO
 - o A Policy on Geometric Design of Highways and Streets ("Greenbook")
 - o Roadside Design Guide
 - o Highway Safety Manual
 - o Guide for the Development of Bicycle Facilities
 - o Guide for the Planning, Design, and Operation of Pedestrian Facilities
- Federal
 - o Manual on Uniform Traffic Control Devices (MUTCD)
 - o Roundabouts: An Informational Guide
 - o Americans with Disabilities Act Accessibility Guidelines (ADAAG)
 - o Institute of Transportation Engineers Trip Generation
 - o Highway Capacity Manual

5. Describe the 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.

The following is a partial list of software and equipment we may use in the efficient execution of task assignments for Roadway Design and Traffic and Intersection Engineering Services.

- CADD
 - o WilsonMiller Stantec operates both the AutoCad and Microstation CADD software platforms giving us greater flexibility in meeting client specific requirements
 - o Land Desktop and Civil 3D
 - o Geopak
 - o AutoTurn
- Scheduling
 - o Microsoft Project 2003

We have an internal checks and balances system built into our QA/QC program that prevents mistakes from ever making it into the field.

This results in not only strict adherence to budget, but the decrease in change orders during construction which saves both time and money to the owner.

C. Willingness to Meet Schedule and Budget Requirements

Meeting Schedules and Budgets

The WilsonMiller Stantec team philosophy on cost and schedule control is to "do it right the first time. We believe the cost of correcting problems with any project weighs heavily on when the problem is first identified and then corrected. For instance, a problem that may only cost \$100 to correct if caught early in the project, may cost \$10,000 to correct during implementation.

Our team is committed to reducing the overall consulting fees to the County by utilizing appropriate project staff and realistic schedules. This commitment includes three basic concepts:

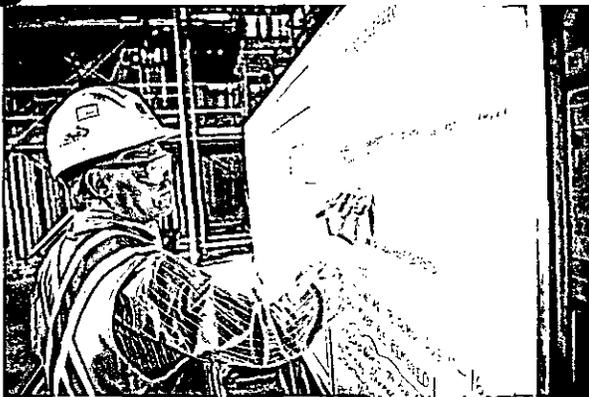
- 1) Identify, understand and utilize available technical information
- 2) Identify "value staffing" based on eliminating the use of over-qualified staff when they are not required.
- 3) Emphasize strong project management to implement the project within the agreed schedule and budget.

Controls for Meeting Schedule & Budget - Management Approach

WilsonMiller Stantec believes in a strong role for its Contract Managers and Task Managers.

As a result, the project manager has full authority to directly commit staff and resources throughout the company. During the project, if the schedule or scope changes, our project manager can coordinate the necessary changes directly with the County staff in order to provide immediate response to the County's needs. We are well aware that the County's project managers routinely oversee several projects simultaneously, consequently, one of our chief objectives is to facilitate the County project manager's oversight of the project. Specifically, our project manager will maintain chief contact with the County's project manager. Our communications objective is to provide the County's project manager with current project information at all times, without adversely impacting the schedule.

Our project manager will also maintain coordination between the County's project manager and project team through weekly status memos (via e-mail or faxes) and monthly progress reports and regularly scheduled project meetings. Our project manager and members of our project team will be available for project meetings or for on-site reviews with County personnel or other representatives as required.



Coordination of Work

Initial lines of communication and coordination will be established at the onset of the project or task assignment prior to issuance of the notice-to-proceed. At this meeting, appropriate aspects of the work (such as scope, schedules, budgets, QA/QC plan, and public involvement) will be discussed and ground rules for conducting the work, communication, and coordination will be established. A detailed schedule and scope will be submitted with each cost proposal for a given assignment.

Section 2 – Specific Work Category - C. Schedule and Budget

Throughout the duration of the project, we will maintain frequent contact with the County's project manager to keep him or her advised of progress and problems that are encountered. It is anticipated that we will meet with the County's project manager at least monthly, but more frequently if necessary.

Communications with the County's project manager will be an integral part of the project. We believe that the effective use of the client's participation will provide a mutually successful project for all parties, from the project development phase through final design and permitting.

Milestone meetings will be scheduled with the County to inform the project team of the progress on the project, in relation to scheduled completion tasks and work products. Emphasis will be placed on the use of hand written transmittals and memoranda, or facsimile transmittals, to reduce secretarial time and provide the County with prompt information on the project.

The project manager will also communicate with the County through weekly telephone contact. The purpose of the phone calls will be to inform the County of the latest project developments, and to resolve potential problems or project conflicts.

We are confident with our proactive approach to identifying and solving problems that our team can complete the County's task assignments on time or ahead of schedule within the agreed upon budget.

All of our proposed team members have previous experience in providing services under continuing contracts to a variety of clients. These team members are the best and brightest in their respective fields of expertise, so Leon County can rest assured they are receiving highly-qualified, experienced staff assigned to the continuing contract no matter how small the task assignment.

D. Willingness to Meet Schedule and Budget Requirements

The table below identifies the projects in which members of our team are currently under contract along with the anticipated completion dates.

Project Name	Est. Completion Date
Polk State College Advanced Technology Center, Site Engineering	2012
Grassy Key Development, FDE, Engineering Services P.	2011
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District	2011
Franklin Correctional Institution, Engineering Services	2011
Marathon Safety Improvements, Engineering Services	2011
Santa Clara and Willow Street Construction Administration	2011
Windley Key, Surgarioaf Trail Segment Extensions - FDEP	2011
Bald Point Construction Close-Out, Roadway/Traffic Design Services	2011
SR 189 from Roberts Blvd., Roadway Design Services	2011
Group 11-02 Resurfacing, FDOT, Roadway Design Services	2012
City of DeFuniak Springs, Planning Services - CRA	2011
City of Carrabelle CRA, Planning Services	2011
Bay County Joint Land Use Services, Planning Services	2011
Villages of Seloy, Planning Services	2011
EAR Amendment - Marianna Comprehensive Plan, Planning Services	2011
Bal Harbour Shops, Planning Services	2011
St. Andrew's Bay, Civil Engineering Services	2011
Florida Keys Overseas Heritage Trail Summerland West Mitigation, Environmental Management Services	2011
SR 104 from I-95 to US 17	2012
SR 104 from US1 to I-295	2012

Our current workload is divided amongst a staff of 15.

As you can see in the table to the right, nearly every one of our current projects are expected to be completed this year.





Our staff holds regular project update/scheduling meetings to ensure the project(s) stay on track and within budget.

Our assigned team members have the ability to start work as soon as a task order is assigned under the Continuing Supply contract. We have assigned a core team of 8-10 people to the team, that will be "on-the-ready" if we are assigned the contract. They will be able to absorb any projects issued under the Continuing Supply Contract because we anticipate the majority of our projects to be completed by end of 2011.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

We hold regular project scheduling meetings to ensure that our projects stay on budget and within anticipated schedule. This is key to managing the overall workload of multiple miscellaneous task orders simultaneously.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

Section 2 – Specific Work Category - E. Location

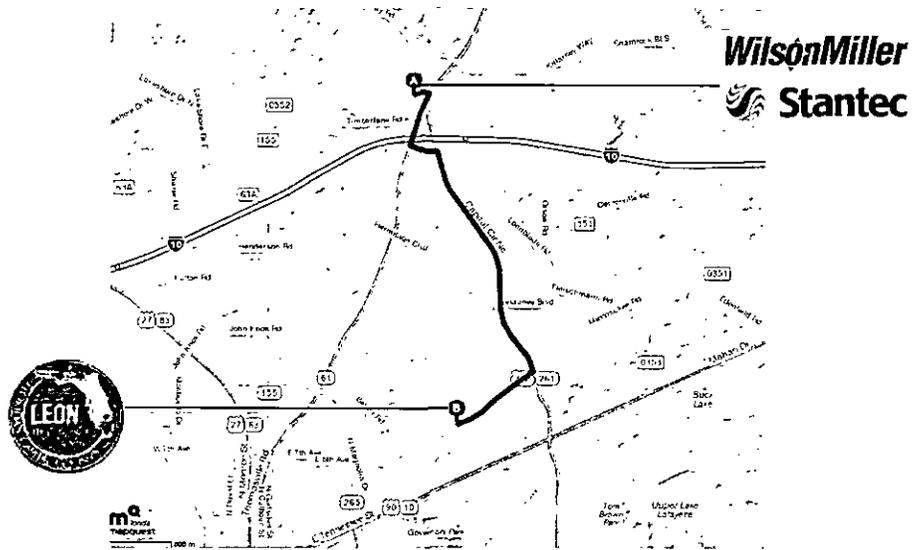
E. Project Team Location

Our project team is predominantly located at our Tallahassee office, located locally in Leon County. The address is:

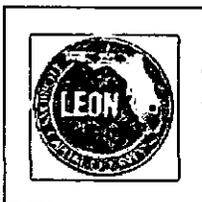
- 1441 MaclayCommerce Drive, Suite 101
Tallahassee, FL 32312

Our team will be supplemented by personnel located in other offices throughout Florida and Georgia. As a corporate policy worksharing is a common practice, one that occurs between various offices and amongst disciplines. Our staff is familiar with working on projects that are not local to them, and know our internal process of communicating regularly with local personnel in order to seamlessly provide service.

Our local presence will be a significant advantage in our ability to easily service any tasks assigned under the Continuing Supply contract.



Our Tallahassee office is located 4 miles from the Leon County Public Works address at 2280 Miccosukee Road.



F. Approach to the Project

WilsonMiller Stantec understands the needs and demands of Leon County to successfully accomplish the required services related to design of traffic and intersection projects or minor roadway enhancements. We have successfully completed numerous projects throughout Northeast Florida utilizing the established steps on the following pages. Each project has its own unique challenges, however the fundamental project structure and requirements are common to all.

Project Philosophy

Our approach has evolved through many years of experience in providing various transportation services including roadway design, road improvement, signalization, intersection improvements, roundabouts, traffic calming, sidewalks, lighting, and various stormwater, environmental and FDOT permitting for Leon County, the surrounding areas and throughout the state. This previous experience has given us knowledge of Leon County's system, familiarity with your staff and their needs, and experience with local conditions.

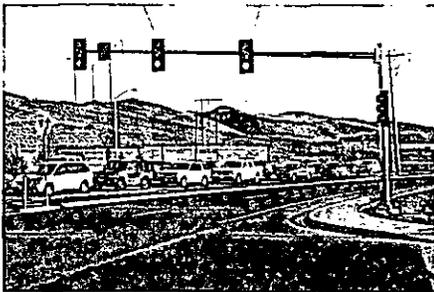
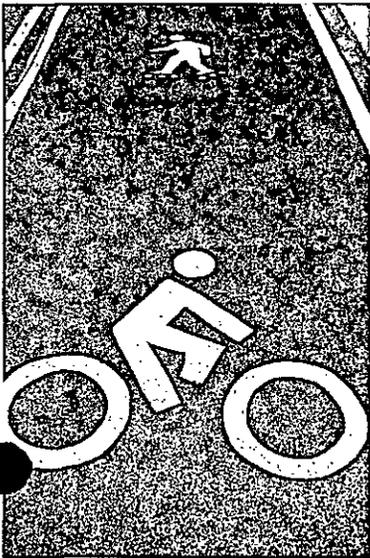
Our formula for success includes the following key elements:

- Proactive project management
- Project documentation
- Attention to detail
- Client and public communication
- Consistent follow through on all aspects of the project

WilsonMiller Stantec's Tallahassee-based project team will maintain management control of all facets of each assignment issued to us. Our multidisciplinary approach allows us to offer a single-source solution for all required projects. We will perform the requested services with our in-house staff

We apply a consistent methodology and rationale to every project. While we are able to design individual projects with their own unique characteristics and specific challenges whether it is a conventional signalized intersection, a roundabout or a capacity increasing improvements, our approach to completing each project is the same. WilsonMiller Stantec is committed to providing a timely and cost-effective response to each of the County's needs. We will carefully analyze each project assignment in detail to deliver results that not only meet or exceed the County's goals, but also will have minimal disruption to area citizens.

The following text outlines the typical approach we would use for a task assignment. For any given project, we will present and formulate our approach with County staff for concurrence prior to project initiation.



Step 1: Background and Coordination Review

WilsonMiller Stantec will meet with County staff at the beginning of each assigned project or task to ensure that we fully understand the goals and objectives for any project. We will introduce our staff and management team for the specific project and establish the communication protocol. We will also review previous work to maintain consistency with completed work to eliminate duplication of effort.

The key to project success is timely, clear, and effective communication. By taking the extra time to listen to our client's staff, from management to engineering and operations, and understand their needs and project concerns, we will know what goals and parameters must be achieved for each project. We will use a variety of methods to establish and maintain communications with Leon County to complete projects in a timely manner. A project management notebook will be initiated at the time of project assignment and will be continuously updated to include:

- Project goals, objectives, and budget
- All correspondence
- Design information
- Telephone conversation logs
- Project design schedule including each sub-task
- Other pertinent project data and information

Two copies of the project management notebook can be prepared and maintained. One copy will be available at each project and public information meeting and can be submitted to the County at the certification of the project.

As part of the initial project coordination meeting, WilsonMiller Stantec will:

- Discuss the project limits
- Confirm the County's project goals
- Identify and document potential obstacles
- Identify all potential project stakeholders, i.e. the County, neighborhood residents and affected citizens, business owners, emergency management personnel, school board staff, and other affected public and private agencies

Early identification and coordination with the County will help reduce the likelihood for design changes and project modifications. It will also provide the opportunity for all other County departments to identify and/or coordinate specific needs with or prior to the project's construction.

Step 2: Survey and Field Investigation

As necessary, WilsonMiller Stantec will coordinate with Leon County's survey and mapping group should the need arise for collecting existing field condition data to prepare a set of survey drawings for project design. All ground surface details such as roads, curbing, drainage structures, manholes, valves, hydrants, meters and backflow



Section 2 – Specific Work Category - F. Project Approach

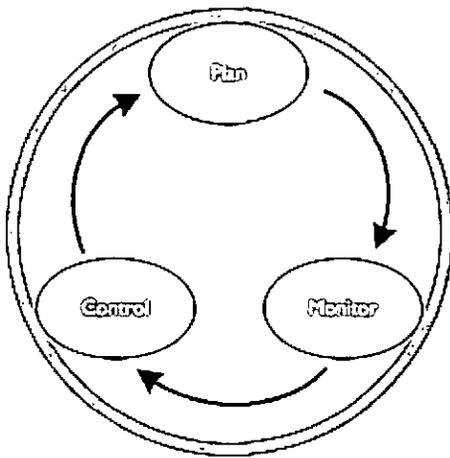
preventor assemblies, driveways, mailboxes, trees, bushes, and signs will be located and shown on the survey drawings.

Step 3: Preliminary Feasibility Study

As part of a preliminary feasibility study for intersection improvements/roadway capacity enhancements, WilsonMiller Stantec will perform the following services on an as-needed basis dependent on each particular assigned project scope:

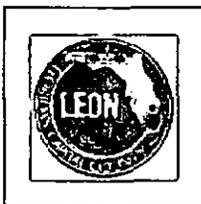
- Traffic counts
- Traffic Studies, including LOS evaluation for existing and nearby segments and intersections
- Traffic modeling
- Evaluation of existing ROW
- Exploring location of, and identifying possible conflicts with underground utilities
- Impact to utilities, other roadways, sidewalks, trees, shrubs, habitats, both in public R/O/W and private property
- Identification of environmental or permitting concerns

Step 4: Project Design and Construction Drawings



Through the years of serving municipal and county public works departments, WilsonMiller Stantec has recognized that excellent service is our top priority in meeting our client's needs. To achieve this goal, we propose a design team approach in lieu of 30% plans submittal for the County's projects, a group made up of key WilsonMiller Stantec team members and key County staff responsible for the project review and approvals.

The design team meetings in the preliminary design phase can be utilized to identify, discuss, and resolve design issues early in the process to maximize communication and minimize the number of reviews and revisions. Our ultimate goal will be to minimize processing time and inconvenience to the general public. WilsonMiller Stantec will utilize the information from the County's scope of work, record drawings, site visits, and the survey field data to prepare the project design and construction drawings.



Overall construction costs will be considered throughout the design process and will be communicated to the County's Project Manager at each stage in the design process. We foresee providing the County with construction plans at the 60 and 100 percent stage of completion. A complete set of technical documents containing the County's latest specifications with bid form and engineer's opinion of cost will be submitted to Leon County at the 100% stage of construction plan completion.

We will review the plans with County staff during design team meetings and at each submittal stage and will address all comments and questions regarding the plans and

bid documents. WilsonMiller Stantec may be requested to provide other miscellaneous services as part of this project, including:

- Landscape and irrigation design
- Street Lighting

Step 5: Permitting/Public Involvement

Upon the County’s approval of the project’s preliminary design, WilsonMiller Stantec will initiate the permitting process. The project’s permit requirements will be identified and permit applications will be prepared for each affected local, state, or federal agency. Copies of the applications and permits subsequently issued will be placed in the project management notebook.

A public involvement program may be established for each project. This program will meet or exceed all County procedures and practices currently in place. WilsonMiller Stantec will be available to prepare presentation materials, documents, meeting agenda, web page content, and attend all public project presentation meetings and workshops. In advance of each public meeting and/or workshop, we will provide the County with these materials to review and approve.

Step 6: Bidding

WilsonMiller Stantec will assist the Leon County with the following items for use during the bidding of each project:

- Preparation of the bid documents and technical specifications
- Attending and participating in a pre-bid meeting
- Reviewing bids, preparing bid tabulation, and making recommendations of award

We recognizes that a critical period in a successful project is the time between the advertisement for bid and the commencement of actual construction. By completing all pre-construction activities before the project begins, we can participate with County staff in addressing the various challenges immediately and develop appropriate resolutions, thus reducing field change orders and escalations in project costs.

Step 8: Project Management and Quality Control/Quality Assurances

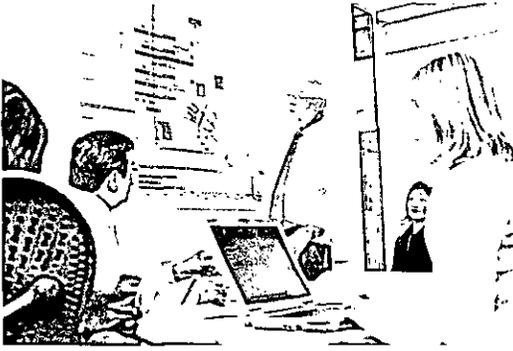
As stated in Step 1, the keys to each successful project are effective communication and sound quality control practices. WilsonMiller Stantec uses numerous methods to accomplish these two items. We will keep the neighborhood and business stakeholders affected by each project informed of the project’s status and notify them when changes occur. WilsonMiller Stantec will conduct regularly scheduled meetings on a monthly basis, unless shorter periods of time will be considered, depending on the project’s complexity and impact to the neighborhood. We will submit bi-weekly status reports to the County for review. These status reports will identify the following:

- Stage of the project time frame

WilsonMiller Stantec practices “cooperative effort” to complete the projects, i.e. we include the client, the contractor, utility companies, and other involved parties to identify and resolve project issues as soon as practical.

Section 2 – Specific Work Category - F. Project Approach

- Tasks completed
- Tasks to be completed
- Issues that have been resolved and/or need to be resolved



By following our disciplined Quality Assurance and Control (QA/QC) program, we can stay on target for our scope of work while maintaining our schedule and budget. This program identifies a set of checks and balances that affords us the opportunity to find any omissions or errors and correct them before they influence the overall outcome of our project delivery.

The WilsonMiller Stantec QA/QC procedures require independent peer reviews that involve the most qualified participants from many disciplines within the WilsonMiller organization. Our QA/QC program sees that such procedures are established, documented, and followed. It provides an effective system for making sure that:

- All work performed is in accordance with client, industry, and WilsonMiller criteria.
- All analyses are tested throughout project development and documented to verify result validity/reasonableness.

Undesirable conditions are detected early and positive corrective action is taken in a timely manner.

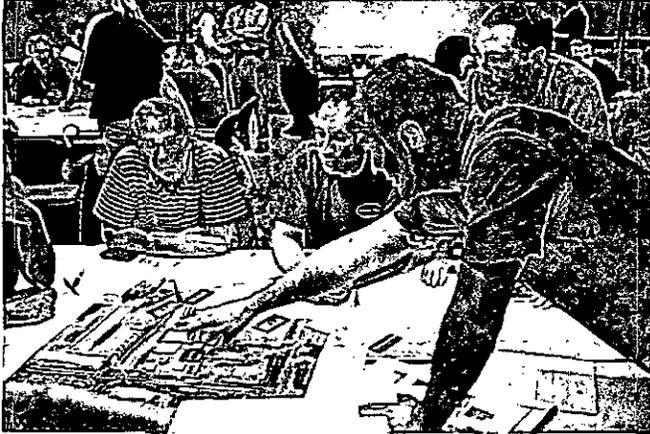
Nine elements comprise WilsonMiller Stantec's QA/QC Program:

- Management Responsibility - Management has designated a representative (the office manager or discipline manager of each WilsonMiller Stantec office) who has defined authority and responsibility for making certain that the quality policy is implemented and maintained.
- Project Control - The project manager will establish and maintain procedures to control and verify project scope performance to see that the project-specific criteria, other specified requirements, and requirements of the relevant regulatory agencies are met.
- Document Control - We use an electronic document records management system that tracks all documents, including non-electronic documents, by project.
- Subcontracting - If it is determined we need subcontractors, we will require them to identify and plan the production processes that directly affect quality and will perform these processes under controlled conditions.
- Inspection and Verification/Testing - The results will be documented for receiving incoming products, work in process, and final inspection of outgoing documents.
- Inspection and Verification Status - The purpose is to make sure that only work that has passed the required inspections and verifications is accepted.
- Nonconformance - Procedures will be established and maintained to correct nonconforming work so that such work is not inadvertently used or installed.
- Corrective Action - This includes procedures for investigating the cause of nonconforming work, the corrective action needed to prevent recurrence, and procedures for analysis to detect and eliminate potential causes of nonconforming work.



Section 2 – Specific Work Category - F. Project Approach

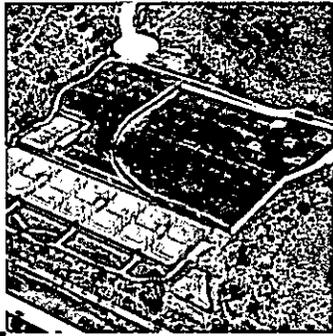
- Training - WilsonMiller has established and maintains corporate-wide procedures for identifying the training needs and providing the training of all technical and professional personnel performing activities that affect quality.



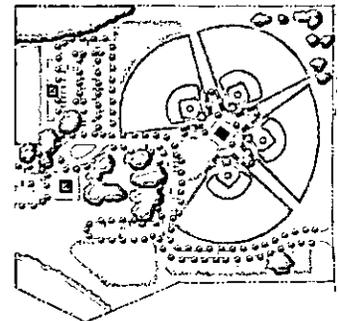
While maintaining a high level of QA/QC is first and foremost in every WilsonMiller Stantec project, quality improvement efforts are intended to establish strategies for continued improvement in areas of production, scheduling, and multi-disciplinary coordination. To that end, WilsonMiller Stantec has developed a post-project evaluation summary (P-PES) process to assist the project manager in evaluating the positive and negative performance results of the project.

The ultimate goal of each project will be to deliver the quality and services the County expects. WilsonMiller Stantec is committed to providing professional roadway and utility engineering and landscape architectural services to team with the Leon County in achieving this goal for each project.

The nine elements of our QA/QC program are proven to avoid potential project delays or budget over-runs; they have also provided “best case practices” on these types of projects so we can streamline the project and perfect our client service mechanism.



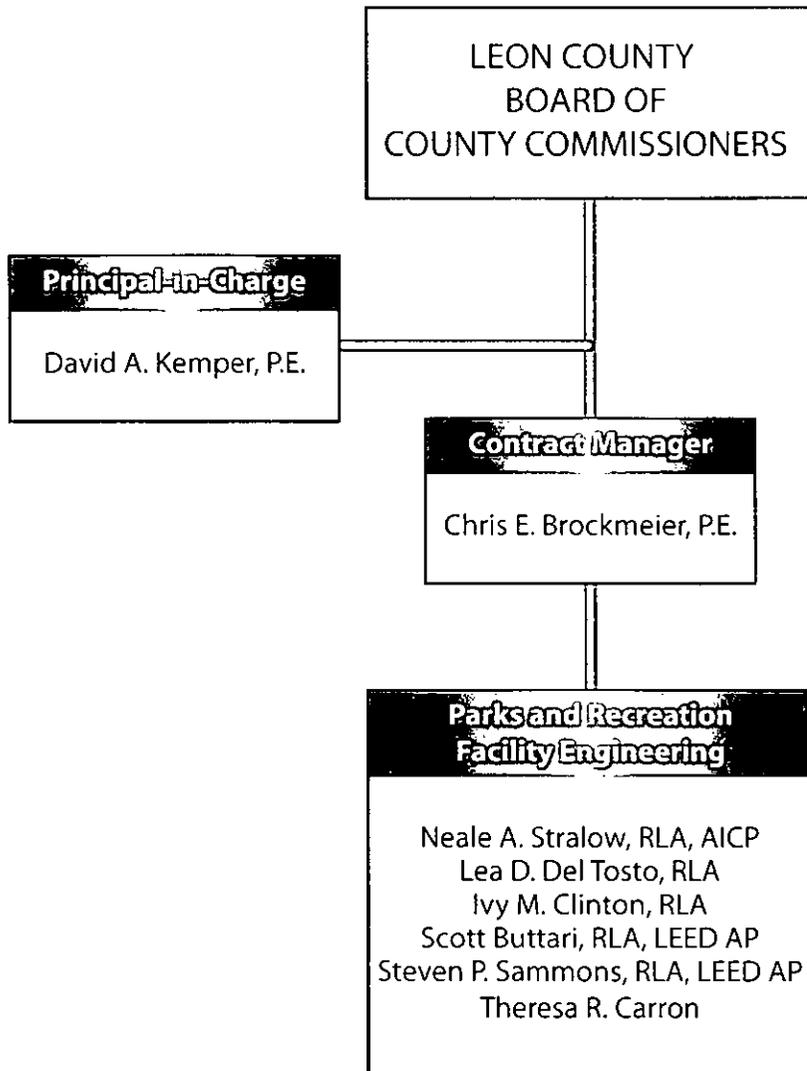
Parks and Recreational Facility Engineering



A. Ability of Professional Personnel

Although we are applying from our Tallahassee office, we will be utilizing staff from various locations throughout Florida to help supplement our team as scope requires. This includes adding staff from our Tampa and Sarasota offices.

In all, we have dedicated a pool of up to 10 persons that are "on-call" for any tasks that are assigned under the Parks and Recreational Facility Engineering Category. The organizational chart below and the attached resumes showcase those personnel that have been selected to be dedicated to these projects due to their availability and workload.



WilsonMiller's broad range of in-house services makes us unique in the fact that we are able to provide clients with a one-stop-shop on any given project, or as demonstrated with our previous work with Leon County.

With the various discipline resources available in-house, we are able to function as a coherent team to provide miscellaneous, continuing services effectively and seamlessly.



David A. Kemper P.E.

Senior Principal – Parks and Recreational Facility Engineering



Mr. Kemper serves as Principal-in-Charge and/or Project Manager for a variety of public and private sector projects. His professional experience includes civil design and management expertise in the areas of site development, transportation, stormwater management, and utility systems. His site development experience includes management and design of residential, office, commercial, industrial, institutional, recreational, and mixed-use projects.

He has extensive experience in coordinating the efforts of a multidisciplinary team to address all aspects of the site development including planning/zoning, survey, geotechnical, environmental, biology, traffic, and landscape architecture. This includes a particular emphasis on providing the preliminary engineering studies/design during the planning phase of large scale and complex projects.

EDUCATION

Bachelor of Science, Civil Engineering, University of Missouri-Rolla, Rolla, Missouri, 1979

Master of Science, Engineering Management, University of Missouri-Rolla, Rolla, Missouri, 1984

REGISTRATIONS

Professional Engineer #36271, State of Florida

PROJECT EXPERIENCE

Community Institutional

Tampa Museum of Art, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec was contracted to provide the survey and site civil engineering services needed for the construction of the new Tampa Museum of Art.

Corporate / Office

Ryan Business Center at South Shore Corporate Park, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. A 423-acre light industrial park within the South Shore Corporate Park DRI in southern Hillsborough County, the total project contains more than 6.9 million s.f. of light industrial buildings. Phase I included more than 2.6 million s.f. of industrial uses on 300-acres.

South Shore Corporate Park DRI, Hillsborough County, Florida (Project Director)

Responsible for leading multidisciplinary engineering team. South Shore Corporate Park is a mixed-use project with major emphasis on light industrial uses. Stantec provided comprehensive services to take this land development project successfully through the DRI and NOPC process. The NOPC includes modification to the roadways network to accommodate the adjustment to the overall area wide transportation network in coordination with a County initiated Plan Amendment.

Education

University of South Florida Visual and Performing Arts Facility (Principal)

Stantec provided the civil/site and landscape portion for the addition of a new 113,500 s.f. visual and performing arts building located on the USF Tampa campus.

Saint Leo University Campus Housing, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided permitting, engineering design, and environmental services in the construction of four dormitory facilities for Saint Leo University in Pasco County.

Tampa Bay Academy, Hillsborough County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Planning, civil engineering, permitting, and construction engineering services were provided for the development of a private educational facility in Southeast Hillsborough County. The facility includes full educational and boarding facilities, and site facilities include soccer and softball fields, equestrian trails, and a swimming pool.

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Saint Leo University Campus Master Plan, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Master planning services were provided for this 170-acre site including the development of plans for potable water distribution, sanitary sewer collection, surface water management systems, and transportation improvements.

Frost Elementary/Guinta Middle School Site Development, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. This project consists of the design, permitting, and construction of a 950 student elementary school and 1,550 student middle school, co-located on a 50-acre site. Site improvements included multiple surface parking facilities, traffic circulation to service both facilities, on- and off-site utilities, off-site turn lanes, surface water management, and wetland and flood plain mitigation.

Jennings Middle School LL Off-site Water and Sanitary Sewer Extension, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The School District of Hillsborough County contracted Stantec for engineering design, construction administration, and surveying services in the construction of a water and sewer system for this new middle school.

Grace M. Ippolito Elementary School Site Development Services, Hillsborough County, Florida (Principal-in-Charge and Project Manager)

Responsible for overall client interface and project and team management. Stantec provided a number of services for this 990-student elementary school that sits on 14.6 acres, including surveying, permitting, civil engineering and landscape architecture. Site improvements included water and wastewater utilities, off-site turn lanes, and surface water management for the site.

Spoto High School PPP, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. High School 'PPP' is being built in a 52.2-acre property located on Eagle Palm Drive in Hillsborough County, Florida. The high school consists of seven buildings with sports field/court, concession stand, drivers education area, parking, sanitary sewer and stormwater management system. The school is designed to serve approximately 2,375 students and 150 staff.

Hillsborough County School District Continuing Contract, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Under this continuing contract, Stantec conducts site planning, engineering, and zoning phases for identified potential school sites. Services include assessing current zoning and land use, surrounding land use considerations, access, wetlands and soils, upland habitat, availability of utility services, stormwater and floodplain, and other related site considerations.

Healthcare

Northside Hospital and Heart Institute Site Development Services, Pinellas County, Florida (Principal-in-Charge and Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Civil and site engineering, landscape architecture, and environmental permitting services were provided for this major facility and site expansion of the Northside Hospital and Heart Institute. The project is located on approximately 30 acres and includes the addition of a 54,000 s.f. medical office building, 15,000 s.f. hospital expansion, and 830 parking spaces. Engineering services included grading, drainage, water distribution, and wastewater retrofit and redesign.

Hotels & Resorts

Hotel Indigo at Seaboard Square Site Development Services, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec assisted with site approvals, design, and permitting for a seven-story, 160-room boutique hotel project with attached parking garage on a 1.07-acre parcel of the Seaboard Development in the Channel District. An underground stormwater facility, inside the parking garage, was designed for water quality treatment prior to discharge to FDOT right-of-way.

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Industrial

Rinker Materials Import, Storage & Distribution Facility at Berth 150, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided design and permitting services for a proposed Material Transfer Facility (MTF) with waterside and landside improvements to import over 3,000,000 tons of material for distribution to the west coast of Florida on a 31-acre property. The improvements call for new marine facilities for importing vessels, storage facilities, access and circulation roads, equipment operation areas, road access, rail access, and administration facilities.

Marine & Port Facilities

Port Redwing Water Services Study (Port of Tampa), Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided a detailed study of the extension of a water main and wastewater force main with lift station to serve the proposed future Port of Tampa container facility. The study included water line hydraulic analysis, force main and lift station analysis, and an opinion of probable construction cost.

Port Redwing SWIM Habitat Restoration, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided civil engineering services to create and enhance the wetland system on this 134-acre site. Services included hydrologic/hydraulic study of the basin stormwater runoff as it related to the project hydration, and project construction plans preparation.

Tampa Port Authority Pendola Point Security Entrance, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided civil engineering services for the construction of a security access gate facility for the Tampa Port Authority. The complex includes a security building, access control, and inspection stations with related parking and truck maneuvering areas, utility services, and stormwater management facilities encompassing approximately five acres. The project was completed in a design/build method for the owner, the Tampa Port Authority.

Tarmac Cement Terminal Berth 219, Port of Tampa, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. This project entailed the design and permitting of a cement storage/distribution plan facility with truck, rail and marine access. Stantec provided a number of services for this 4.6-acre facility located on Berth 219 on Hooker's Point, Port of Tampa, including permitting, civil engineering, landscape architecture, and surveying. Permitting was obtained through the Federal Aviation Authority, Hillsborough County Aviation Authority, City of Tampa, Tampa Port Authority, FDEP and USACE.

Tampa Port Authority Hooker's Point Security Entrance, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. This project consists of a two-story, 12,500 s.f. security building, access control gates, inspection stations and weigh scales, related parking, utilities, and a stormwater management facility. Improvements included the widening of Maritime Boulevard and Eastport Drive, railroad crossing improvements, off-site drainage improvements, including ditch widening and roadway cross-drain reconstruction. The project was completed in a design/build method for the owner, the Tampa Port Authority.

Military Infrastructure

Naval Reserve Center Relocation to MacDill Air Force Base, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided professional services for the relocation of the Tampa Naval Reserve Center to MacDill Air Force Base. The project included a two story, 33,000 s.f. facility on approximately six acres. The project required analyzing a portion of the existing wastewater distribution system on MacDill Air Force Base.

David A. Kemper P.E.

Civil Engineering, Senior Principal

Mixed-Use

Netpark Tampa Bay Site Redevelopment Services, Hillsborough County, Florida (Principal-in-Charge and Project Manager)

Responsible for overall client interface and project and team management. Stantec completed civil engineering/sitework and surveying for this significant redevelopment project involving the conversion of a former one million s.f. regional shopping mall to an office/call center facility with more than 3,700-space parking facility. Site related improvements included incorporating landscape islands; curbing; resurfacing and reconstruction of parking areas; sidewalks and pedestrian plazas; fitness trail; and associated grading, drainage, and utility modifications.

Tampa Bay Center, Hillsborough County, Florida (Principal-in-Charge and Project Manager)

Responsible for overall client interface and project and team management. Stantec provided civil/site engineering for the redevelopment of this 82+/-acre former regional shopping mall property. The proposed redevelopment plan included three "big box" retail tenants and numerous "medium box" retail tenants and outparcels.

MetWest International Urban Mixed-Use Development, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec was selected by MetLife and Taylor Mathis to provide rezoning, entitlement, landscape architecture, civil/site engineering; transportation, permitting and construction support services for this true, mixed-use urban development located in Tampa's major Westshore Business District. MetWest comprises over one million s.f. of office uses, 74,000 s.f. of retail uses, 254 multi-family homes, and a 270-room hotel on a 30-acre site.

D.G. Farms Feasibility Analysis & Master Planning, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec participated in a feasibility analysis and provided the master plan design for infrastructure improvements and detailed stormwater master planning and floodplain analysis for this 1,385-acre mixed-use proposed development. Development plans call for 4,380 single-family homes, 1,000 multi-family units, 360,000 s.f. of commercial space, and 110,000 s.f. of office space.

D.G. Farms DRI, Hillsborough County, Florida (Principal-in-Charge and Project Manager)

Responsible for overall client interface and project and team management. Stantec provided planning, surveying, and master engineering services for this 1,400+/- acre DRI, located on the northeast corner of U.S. Highway 301 and SR 64. The project currently has entitlements of 250,000 s.f. commercial, 50,000 s.f. of office space, and 5,380 residential units, an 18-hole golf course and property declarations for public school sites and park facilities.

FishHawk Town Center, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided master planning and multidisciplinary services the 440-acre FishHawk Ranch Town Center, positioned to be the heart and focus of the community for one of the largest planned residential communities in Hillsborough County. The Ranch is Newland Communities' first traditional neighborhood development (TND) and home to over 4,000 residents.

Big Bear Commercial Park, Hillsborough County, Florida (Principal Engineer)

Stantec provided preliminary engineering, surveying, transportation planning, zoning, construction administration, and final engineering for this 25-acre commercial subdivision that included a master pump station. Stormwater design incorporated water quality treatment, attenuation, and wetland mitigation into an existing wetland.

MetroCenter Rezoning, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec processed the rezoning for a 30-acre, mixed-use redevelopment project for MetLife insurance company located within the City of Tampa.

The Grove at Wesley Chapel DRI (Oakley Plaza), Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec assisted in the development process for a proposed 180-acre mixed use commercial development. Services included DRI/Application for Development Approval, surface water management analysis, GIS, and surveying. Stantec successfully secured the necessary permitting and approvals for the site.

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Multi-Unit / Family Residential

MiraBay Parcel Rezone, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec was retained to provide civil engineering and rezoning services for this 224-unit condominium on Parcel 22 of MiraBay. The low-lying project area required special grading to reduce the required fill and to save the grand oaks as required by Hillsborough County.

Cypress Creek Town Center (Site Analysis, Master Plan and DRI), Pasco County, Florida (Principal-in-Charge)

Responsible for engineering portions of DRI, preliminary engineering studies and infrastructure design. Stantec provided site analysis and master planning for a 500-acre regional mall and mixed-use DRI project in southern Pasco County, incorporating a 1.5 million s.f. regional mall, 882 multi-family residential units, a 600,000 s.f. retail center, 96,000 s.f. of highway commercial, 700 hotel rooms, and 420,000 s.f. of office space.

Gardens at South Bay, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided project management, design, permitting, and construction phase services were provided for a 216-unit, multi-family residential development on 10.6 acres for the Tampa Housing Authority. Significant environmental challenges were overcome to maintain the number of units required for the project to be feasible.

MacDill Air Force Base Family Housing, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided design, permitting, and construction phase services for the demolition of 507 existing homes and the construction of 331 new housing units on MacDill Air Force Base. The 138-acre development consisted of single family homes, both one- and two-story, as well as duplex homes. Also included were accessible units and a 6,000 s.f. Welcome Center.

Parks, Open Spaces & Cemeteries

Polk County Parks - Athletic Field Turf Specifications, Polk County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec developed a uniform set of countywide performance specifications for sport fields turf design, installation, and maintenance activities for Polk County.

Regional and Community Planning

River Bend Community Development District, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The River Bend CDD is a partially completed community with infrastructure that includes open space, stormwater management, landscape and irrigation systems.

Rivercrest Community Development District, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec was selected for annual district engineering services to assist the District Manager and Board of Supervisors to properly budget, operate, and maintain CDD infrastructure, which includes stormwater management facilities and recreation facilities. The CDD is fully controlled by a Resident Board of Supervisors.

Winthrop Village Traditional Neighborhood Design (TND), Hillsborough County, Florida (Project Manager)

Phase II development including oversight of revision of Phase I drainage plan. A 256-unit, traditional neighborhood design (TND) project in Hillsborough County required a major stormwater analysis to revise drainage for proposed aesthetic water features. Special care was also required at the project boundaries to ensure compatibility with the surrounding developments. Services included surveying, engineering, permitting and construction services.

Covington Park CDD Master Planning & Design Services, Hillsborough County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec was contracted to provide professional design services for the Covington Park Community Development District located in Hillsborough County, Florida. The Covington Park community is a 240-acre development.

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Bexley Ranch Land Development, Pasco County, Florida (Engineer)

DRI engineering studies, master water, wastewater and master drainage planning, floodplain studies, and preliminary cost estimating. Stantec has completed extensive site analysis and design alternatives to assist the property owner and developer, Newland Communities, with the future development and use of this site located in central Pasco County directly adjacent to the Suncoast Parkway.

Channel District Strategic Action Plan, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec prepared a Strategic Action Plan for this 200-acre urban Community Redevelopment Area located adjacent to the Central Business District. The study area is a former heavy industrial port warehouse district that is quickly evolving with tourist destination and high-density residential use. Stantec analyzed existing infrastructure, developed alternative development scenarios, and established conceptual public realm design elements.

Clear Springs Sector Plan, Polk County, Florida (Principal Engineer)

Oversight of engineering studies and master plans. Stantec developed a conceptual overlay plan for the proposed optional sector plan on 18,000 acres within the City of Bartow and Polk County. Development of conceptual water and sewer master plans, and coordination with the City of Bartow for provision of these services was a primary focus of this project.

Channelside Redevelopment - Cruise Terminal 3, Hillsborough County, Florida (Principal-in-Charge and Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided planning, transportation, civil/site engineering, and landscape architecture services for the 35-acre Channelside area in the Port of Tampa. The project involved master planning of the overall site, and engineering and design services for the Phase I cruise terminal facility.

Kirkland Ranch TND Site Planning Studies, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec assisted in generating Traditional New Development (TND) site planning studies for market feasibility for this 1,666-acre parcel. This included various residential components for development, including work-force housing, adjacent walkable commercial mixed-use, school site, and traditional single family homes set within the preserved existing pristine wetland system.

Retail

Riverview Towncenter Community Bank, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Design and permitting for a proposed bank located off US 301 south of Gibsonton Drive in south Hillsborough County. The design included extensive efforts to save an existing grand oak tree.

Roadways

Race Track Road Stormwater Improvements, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Hillsborough County engaged Stantec to provide stormwater improvements to Race Track Road located in the western part of the County in the vicinity of the Tampa Bay Downs property. Design entailed flood protection to Race Track Road and improvement of the water quality and natural systems in the area.

State Road 52 Improvements and SEIR, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided engineering, permitting, and construction plans preparation for the reconstruction for two miles of an existing two-lane, undivided roadway to a proposed four-lane divided suburban roadway expandable to a future six-lane divided urban section, and all proposed drainage facilities designed to accommodate future lanes. The State Environmental Impact Study (SEIR) included studying alternative alignments, coordination with sub-consultants in preparation of the SEIR and associated reports, coordination with Pasco County and FDOT staff, hosting public meetings, and presentation before the Board of County Commissioners.

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Legacy Park Access Road, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The Legacy Park Access Road project consisted of the creation of a new quarter-mile road from Crescent Park Drive North, also known as Legacy Park Access Road, providing public access to an existing apartment complex and planned future commercial developments.

Single Family Residential

Roseate Point Subdivision Due Diligence Support, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided a complete civil site investigation for water, sanitary sewer, storm sewer, flood plain map and elevation, and SWFWMD permits for this 224-lot traditional neighborhood development (TND).

The Preserve at Wilderness Lakes Community Development District, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec has provided a range of engineering services associated with serving as the Community Development District (CDD) District Engineer for this development of 850 lots on +/- 578 acres. The CDD assets include a high end recreation facility, roadways, security gates, stormwater management systems, landscape/hardscape, and irrigation systems.

Toulon Master Planned Community, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec was retained as a multi-disciplinary consultant in the development of the Toulon Development in Hillsborough County Florida. The site is a 218-acre, multi-phased, 232-unit, single-family residential subdivision.

Bella Verde (f.k.a. Cannon Ranch) Master Planned Community, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided planning, design, landscape architecture, and permitting services for Bella Verde, a 2,005-acre master planned community consisting of approximately 4,200 single-family units, major roadways, 18-hole Arnold Palmer signature golf course and clubhouse, 200,000 s.f. of commercial/retail/office space, and recreational parks.

Ganey Ranch Residential Subdivision, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Ganey Ranch is a proposed single-family residential project located on all four quadrants of I-75 at the overpass of Valroy Road. Stantec prepared the final conceptual plan, coordinate control map for the overall project, and provided design, permitting, as well as multiple final plats.

Little Harbor Residential Development, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Design, engineering, and permitting services were provided for four major intersection improvements associated with this residential development. The site planning scenarios utilized the engineering expertise of Stantec as multi-discipline design solutions were considered. Due to the ecological sensitivity to the Tampa Bay estuarine system utilizing all team members in an iterative process ensured a viable solution for the market. Ultimately the layout provided for the Riverton community were 327-units containing 241 single-family and 86 multi-family homes.

Manatee River Ranch Design & Permitting, Manatee County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided design, permitting and surveying services for this 1,143-acre, 182-unit, rural single family equestrian residential subdivision. Engineering services included the design and permitting the project infrastructure and stormwater management system. A mean high water line survey was provided for the Little Manatee River and Curiosity Creek that is located within the project area.

Sports, Recreation & Leisure

FishHawk Ranch Aquatic Center, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec provided site development services for the aquatic center that includes an Olympic pool, a zero entry activity pool with rock work, waterslide, waterfall, playground and an exercise area.

* denotes projects completed with other firms

David A. Kemper P.E.

Civil Engineering, Senior Principal

Warehouse / Light Industrial

Pasco Industrial Site, Pasco County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. The development of this 273-acre industrial site required ecological investigations, entitlement support, permitting, and civil site design from Stantec. The project site is located along Old Pasco Road and SR 52.

Spirit Lake Industrial Park, Polk County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec's role assisted the developer in setting up the corporate park as a leading edge green initiative facility. As part of our design, we utilized LID water management techniques, low volume irrigation with xeric plants, and solar panels to supply power the corporate park signs and identification elements. This project will include approximately 450,000 s.f. of industrial building area on a 64.2-acre site. Stantec is providing site infrastructure construction plans.

Crescent Park Commercial Development, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Conceptual design development and evaluation was provided for the developer of this 24.5-acre commercial/industrial park. Services survey, civil site design, and planning. The project required design and permitting of the main entrances and deceleration lanes on an adjacent road. Stantec continues to provide annual DRI monitoring and reporting for the client.

Intelident Rezoning Coordination, Hillsborough County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Stantec coordinated the rezoning process for the adaptive re-use of a former cigar factory in Tampa, Florida.

Water

Southwest Florida Water Management District Surveys, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management.

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Contract Manager - Parks and Recreational Facility Engineering



Mr. Brockmeier has both civil and environmental engineering experience in the private and public sectors. His professional skills include project management, preliminary/ conceptual design, permitting, system modeling, final design, cost estimating, bidding, and construction-phase services. He participated in the design and implementation of various stormwater, potable water, sanitary sewer systems and solid waste facilities, which included permitting from federal, state, and local regulatory agencies. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, Florida State University, Tallahassee, Florida, 1995

REGISTRATIONS

Registered Engineer #56859, Florida; Professional Engineer #25147, Alabama

PROFESSIONAL ASSOCIATIONS

Tallahassee Branch, Past President 2005, American Society of Civil Engineers

Membership Committee, Young Member's Committee, Engineer's Week Committee, American Society of Civil Engineers

Education Committee, American Public Works Association

Past Chairman, 1999, American Public Works Association

AWARDS

2001 Florida Engineering Society, Big Bend Chapter, Young Engineer of the Year

1998 American Society of Civil Engineers, Big Bend Chapter, Young Engineer of the Year

PROJECT EXPERIENCE

Apalachee Parkway Regional Park, Leon County, Florida (Engineer)

Responsible for overall civil design, client interface and project and team management. Stantec provided the preliminary and final design of an irrigation system for two existing multi-purpose ball fields and a linear landscape island along Apalachee Parkway. 5,000

Northeast Community Park, Leon County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided engineering and site design for 12-acre community park. The park design has two Little League fields, one multi-purpose field, two tennis courts, a basketball court, restrooms, and a concession plaza with the supporting potable water and sanitary sewer utilities. The boardwalk system leads to a pond overlook. \$8,000

Suwannee River Wilderness Trail, Leon County, Florida (Lead Engineer)

Responsible for overall civil design team management support. The Suwannee River Wilderness Trail is a 207-mile river trail system that begins at the Florida-Georgia border and continues to the Gulf of Mexico. Campsites have been built on both sides of the river in many counties, including Hamilton County (Holton Creek), Suwannee County (Woods Ferry, Peacock Slough), and Lafayette County (Dowling Park, Lafayette Blue Springs, and Adams Tract). Stantec provided survey and engineering services for all of the sites which are designed for river access by non-motorized craft, with canoe and kayak racks provided, and all internally comply with ADA regulations. Eight regional "hubs" along the way will offer a variety of resting, lodging, and recreational choices, many of them provided by the growing number of local eco-businesses. \$120,000

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Civil Engineering, Principal

West Ship Island Buildings & Utility Replacement, West Ship Island, Mississippi (Principal-In-Charge)

Responsible for overall client interface and project and team management. This design/build contract entails the replacement of NPS residences, ranger stations, first aid station, bunkhouse, public-access restroom facilities, concessions and corresponding utilities (water, sewer, fuel, electric, solar) on West Ship Island that were destroyed by Hurricane Katrina. \$232,000

Walton County Nature Center, Walton County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. The Nature Center design was based on enhancing the existing wetlands to create an interactive learning center with boardwalks, outdoor classrooms, and an observation tower offering views of the nearby Choctawhatchee Bay. Each learning station within the Nature Center was assigned a theme such as 'The Bird Sanctuary' or 'The Butterfly Room' which would become observation centers for a particular group of wildlife or wetland species. \$50,000

Talbot Islands State Park, Duval County, Florida (Principal-In-Charge)

responsible for overall client interface and project and team management. The DEP's Florida Park Service needed to determine the impacts of existing mosquito and drainage ditches on natural systems within the Parks and to perform a feasibility study on the restoration of several identified areas within the Parks. Stantec provided an analysis of the pre-restoration and projected post-restoration conditions, including natural community types and aerial extent of each system. \$97,000

Bald Point State Park, Franklin County, Florida (Principal-In-Charge)

Contracted by the FDEP Division of Recreation and Parks, Stantec provided multiple services for more than four miles of new, two-lane rural park roadway; 100-foot-long vehicular/pedestrian bridge replacement; new 250-foot-long vehicular/pedestrian bridge; two new park campgrounds/ day-use area, floating dock, new park buildings (cabins, restrooms, storage, ranger stations); stormwater management facilities; and infrastructure components (potable water, septic systems; electrical utilities). In addition to engineering design and surveying, environmental services included planning, wetland delineations, listed species surveys, habitat mapping, wetland mitigation design, and permitting (FDEP, USACE, NWFVMD). \$646,000

Lafayette Blue Springs State Park, Lafayette County, Florida (Lead Engineer)

Responsible for overall civil design. For Florida's 159th State Park, Stantec provided environmental and civil permitting, an environmental assessment, survey infrastructure design, roadway and parking design, cabin placement, sanitary sewer systems via on site wastewater treatment and disposal, stormwater system design, and engineered a system for providing potable well water. Limited construction inspection services were additionally provided. \$378,000

Grayton Beach State Park, Walton County, Florida (Principal-in-Charge and Lead Engineer)

Responsible for overall client interface, civil design, and project and team management. Stantec provided multiple services for the expansion of this Florida State Park, including design of a campground expansion at a world-renowned beach site, bathhouse addition, utilities extensions, stormwater management, and associated campgrounds and sidewalks. Utility work included the design and permitting of a new sewage lift station for replacement of on-site septic tanks. A plan was included to protect the abundant endangered species located on the site. \$90,000

Florida Keys Overseas Heritage Trail, Monroe County, Florida (Principal-In-Charge)

Responsible for overall client interface and project and team management. The FDEP Office of Greenways and Trails contract for 25 miles of the FKOHT is located within FDOT right-of-way for SR 5 / US-1. Stantec provided trail design and engineering, environmental permitting, surveying, and landscape design services for this Local Agency Program (LAP) project with the FDOT, entailing the construction of a new and innovative pedestrian/bicycle trail that will become part of the overall 106-mile trail system to run the length of the Florida Keys. Considerable design and permitting challenges were presented by the physically and environmentally constrained corridor. \$1.8 million

East Naples Community Park, Collier county, Florida (Engineer)

Responsible for civil project design of two soccer fields. The East Naples Community Park is a unique 40-acre public park adjacent to Collier County's Avalon Elementary School. Stantec prepared the master plan for this site, which shares common recreational facilities with the school. \$97,000

* denotes projects completed with other firms

Neale A. Stralow RLA, AICP

Senior Planner/Landscape Architect - Parks and Recreational Facility Engineering



As a Registered Landscape Architect and Certified Planner, Mr. Stralow offers diverse professional experience in both the public and private sectors in the preparation of comprehensive plans, land development regulations, recreational planning and design, and public involvement processes. His credentials include project and program management roles for several noteworthy projects, including the Pinellas Industrial Land and Target Industries Study, Channel District Strategic Area Plan, Hillsborough Community College Master Plans, and the South Hillsborough Recreational Corridor Master Plan. All dollar values are representative of fee.

EDUCATION

Bachelor of Landscape Architecture, University of Illinois, Champaign, Illinois, 1986

REGISTRATIONS

Certified Planner, American Institute of Certified Planners

Registered Landscape Architect #0001639, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Urban Land Institute

Member, Florida Redevelopment Association

Member, American Society of Landscape Architects

Member, American Planning Association

AWARDS

2010 Florida Redevelopment Association, Roy F. Kenzie Out of the Box Award, Vision North Port - A Citizen's Master Plan

2008 Hillsborough County-City Planning Commission, Award of Excellence, South County Recreational Corridor Plan

PROJECT EXPERIENCE

South County Recreational Corridor Plan, Hillsborough County, Florida (Project Manager)

Responsible for the evaluation of more than 249,000-acre study area relating to the County's recreational needs and greenways development. Included development and delivery of a community needs assessment survey, conceptual trail alignments and coordination with public and private entities along the 10-mile long corridor. The project included development of schematic design for the proposed 10-mile long South Coast Greenway, a multi-use paved trail system that will be both publicly and privately developed and maintained. A community-needs telephone survey was created, issued, and analyzed to identify community recreational patterns. \$170,000

Albert Whitted Waterfront Park, Pinellas County, Florida (Lead Planner)

Responsible for conceptual master plans and design development support. Stantec is part of a design team led by Aude Shand & Williams Architects that was selected to undertake the redevelopment of the City's Mahaffey Theater complex and adjacent waterfront surface parking lot. Stantec provided design services for new waterfront park on the existing lot. The 5+acre park includes a passive open lawn, meandering trail, and a 900-foot waterfront edge with incorporated shade structures, seating, restroom facilities and hardscape. The site also accommodates the Grand Prix racecourse that passes through the park. \$205,000

Northwest Recreational Corridor Master Plan*, Hillsborough County, Florida (Project Manager)

The evaluation and conceptual master plan development for a publicly owned 1,930-acre study area located in a rapidly urbanizing area. The project included environmental analysis, needs assessment, master planning, design and construction estimates for future active and passive recreational uses. The project input included community workshops and a needs assessment telephone survey. \$N/A

* denotes projects completed with other firms

Neale A. Stralow ASLA, AICP

Senior Project Manager, Associate

Eagle Lake Park Master Plan and Design*, Pinellas County, Florida (Project Manager)

The master planning of a new 157-acre park for Pinellas County. The project included development of alternatives and cost estimates within a Preliminary Engineering Report and current development of construction documents. The project goals for this regional park included the use of design techniques that preserved important natural lakefront systems and cultural citrus farmstead resources located on the property while establishing a program with neighborhood connectivity through walk-in design. \$N/A

Town-N-Country Greenway Design*, Hillsborough County, Florida (Project Manager)

The design development, construction documentation and management for the creation of a 1.5-mile long recreational greenway demonstration project, including community involvement and appropriation of construction and maintenance funding. Construction was coordinated through use of countywide forces. The project was designated a Florida Greenway by Governor Chiles and the Florida Greenways Commission. \$N/A

Upper Tampa Bay Trail Phase IIA Master Plan*, Hillsborough County, Florida (Project Planner)

The analysis, design, and documentation for a three-mile long recreational greenway project. The master plan included evaluation of existing conditions, alignment analysis, and established typical detailing for the trail facilities. \$N/A

Clayton Lake Master Plan*, Hillsborough County, Florida (Project Manager)

The design, grant funding request, and construction documentation for the joint County and Brandon Chamber of Commerce park project to revitalize the 12-acre headwater of the Delaney Creek drainage basin. The master plan included improvements to provide water quality and wildlife habitat improvements through landscaping and an educational program with the adjacent library. \$N/A

Wilderness Park Trailhead Design*, Hillsborough County, Florida (Project Planner)

The design and construction of a secondary access trailhead for water management district property. Installation of the trailhead with vehicular parking established new access to the extensive stabilized trail system for new developments along the Bruce B. Downs Boulevard corridor. \$N/A

Northeast Regional Park, Polk County, Florida (Contract Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling for the design development of the Hayman Property. Working on a fast tracked delivery, project design and permitting is being completed in a compressed timeframe to meet the County's design-build delivery approach. \$635,000

Polk County Parks and Recreation Continuing Services, Polk County, Florida (Contract Manager)

Client and project coordination, account management, and project scheduling for this multi year contract. Major services provided have included special area plans and local government assistance through the long range planning organization. Specific projects have included: East Central Park Phase IV Design, Hayman Property Master Plan, and Northeast Regional Park Design. >\$200,000

Polk County Parks - Athletic Field Turf Specifications, Polk County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec developed a uniform set of countywide performance specifications for sport fields turf design, installation, and maintenance activities for Polk County. \$12,000

Connerton Regional Park Conceptual Master Plan, Pasco County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec developed a conceptual master plan for a new regional sports complex with co-located elementary and middle schools and aquatic center for dedication to Pasco County within the Connerton master planned community. \$25,000

Hayman Property Regional Park Master Plan, Polk County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided site evaluation and conceptual master plan development of an 83-acre regional park located in the northeast portion of the county. The project site characteristics includes more than 100-feet of elevation change and lakefront access to Lake Davenport. The utilization of preliminary grading and elevation design for the Conceptual designs advanced the public process and construction methodology saving the county parks and recreation department critical time and cost. \$250,000

* denotes projects completed with other firms



Neale A. Stralow ASLA AICP

Senior Project Manager, Associate



Lea Del Tosto RLA

Senior Landscape Architect - Parks and Recreational Facility Engineering



Offering more than two decades of landscape architectural experience, Ms. Del Tosto has nationwide experience in all facets of the profession, including project planning and management, community involvement, design development, contract documents and construction phase services. She has expertise in urban design, streetscaping, amenity design, and commercial/retail development. National Charrette Institute trained, Ms. Del Tosto provides charrette planning services on public involvement projects. All dollar values are representative of fee.

EDUCATION

Bachelor of Landscape Architecture, University of Florida, Gainesville, Florida, 1984

REGISTRATIONS

Technical Specialist, National Charrette Institute

Landscape Architect #1814, Council of Landscape Architectural Registration Boards

Registered Landscape Architect #LA0001133, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, American Society of Landscape Architects

AWARDS

2009 MetWest International, NAIOP Outstanding Office Building

2008 Florida Redevelopment Association Planning Study Award, Southeast Gainesville Renaissance Initiative Study

2007 Tampa Downtown Partnership, Channel District Strategic Action Plan

2007 Hillsborough County, City-County Planning Commission, Chairman's Award, Channel District Strategic Action Plan

2006 Clearwater Housing Authority, Award of Appreciation

2004 Suncoast Chapter American Planning Association, Award of Merit, Heart of East Tampa

PROJECT EXPERIENCE

Albert Whitted Waterfront Park, Pinellas County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. We were part of a design team led by Aude Shand & Williams Architects that was selected to undertake the redevelopment of the City's Mahaffey Theater complex and adjacent waterfront surface parking lot. We provided design services for new waterfront park on the existing lot. The 5+acre park includes a passive open lawn, meandering trail, and a 900-foot waterfront edge with incorporated shade structures, seating, restroom facilities and hardscape. The site also accommodates the Grand Prix racecourse that passes through the park. \$205,000

Oscar Cooler Park, Hillsborough County, Florida (Project Manager for landscape architectural design)

Responsible for ongoing client and project coordination, account management, and project scheduling. Stantec provided landscape architectural design, civil engineering, and ecological services for improvements to this community park that is situated around a large wetland system. The park contains four soccer fields and two football fields, a concession stand, a walking trail, picnic pavilions, and playground area and associated parking. \$350,000

* denotes projects completed with other firms

Lea Del Tosto RLA

Project Manager

Summerfield Park, Hillsborough County, Florida (Lead Landscape Architect)

Responsible for landscape and irrigation construction documents. The Hillsborough County Parks and Recreation Department retained us to provide design consulting services for this 23.5-acre park featuring four competition level soccer fields and three practice fields. In addition, the park has a concession stand, paved parking and stadium lighting. \$160,000

William Owen Pass Park, Hillsborough County, Florida (Lead Landscape Architect)

Responsible for design and production of detailed site construction documents. The park complex includes competition level soccer fields, practice field, concession stands, stadium lighting, storage buildings, paved parking, grass parking, and associated and associated driveways. \$235,000

Northeast Regional Park, Polk County, Florida (Landscape Architect)

Responsible for the layout and design of this 83.15 acre regional park. The park contains six soccer fields, five baseball fields, basketball, tennis and racquetball courts, two playgrounds, a boat ramp, concession buildings, restrooms, 1.5 mile exercise trail and picnic pavilions. The fields were designed with an artificial turf playing surface. The landscape utilizes native plants to revegetate the site which was an orange grove. \$635,000

Channel District Park, Hillsborough County, Florida (Landscape Architect)

Responsible for the layout and design of this urban pocket park located in downtown Tampa. It is envisioned as a gathering place for local residents and even has facilities for their dogs. The park is themed with a coastal motif. The central element is a large sail pavilion covering a gathering area that can be used for informal seating or can be cleared for small events. An enclosed dog area covers nearly half the site and was a highly desired feature by the residents. A series of public meetings were held in order to create a design that the neighborhood desired. \$150,000

Central Plaza at the University of South Florida, Hillsborough County, Florida (Project Manager)

Responsible for client and project coordination, account management, and project scheduling. This project involves the detailed design development, construction plans, and construction management for a new plaza located on axis with the existing MLK Plaza on the campus of USF. Our design and materials selection maintains the architectural style and finishes of the existing student plaza and continues the open feel of the park while providing additional seating and shade structures. \$22,000

Channel District Strategic Action Plan Implementation, Hillsborough County, Florida (Project manager)

Responsible for further developing the concepts created during the Strategic Action Plan into, initially, a master plan for the entire district, followed by construction documents. The design focuses on developing a walkable community with pedestrian amenities and sustainable landscaping. This project involves engineering and design services to implement the recommendations of the Strategic Area Plan that are critical to supporting the district's revitalization. Stantec was selected to perform program management, design, and construction administration services for more than \$50 million in new infrastructure and public realm improvements. \$1.2 million

Central Park Village Redevelopment Plan and Re-Zone, Hillsborough County, Florida (Lead Landscape Architect)

Responsible for managing tree mitigation process and park conceptual design and public involvement process. We conducted research on the existing conditions of this historically rich neighborhood located just north of the Central Business District in Tampa, Florida to determine whether or not the area met requirements to create a Community Redevelopment Area by performing a Finding of Necessity. Upon the determination, we prepared rezoning documents that involved extensive public involvement and design coordination that served as the foundation for the Perry Harvey Park design concepts and redevelopment. Also, tree preservation and mitigation, especially for grand trees, was a complex component involving extensive negotiation with the City of Tampa. \$100,000

Scott A. Buttari RLA, LEED AP

Senior Landscape Architect - Parks and Recreational Facility Engineering



Mr. Buttari's experience includes master planning and construction document preparation for golf course and residential communities, hotel and resort developments, county and neighborhood parks, commercial centers, office parks, and streetscape projects. His LEED Accreditation recognizes his ability to incorporate design, construction, and maintenance techniques that increase energy efficiency and reduce impacts on health and the environment. His designs reflect the successful incorporation of the natural environment in all development projects. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Landscape Architecture, University of Florida, Gainesville, Florida, 1999

REGISTRATIONS

Registered Landscape Architect #0001756, State of Florida

PROFESSIONAL ASSOCIATIONS

Green Business Initiative Committee Member, Manatee Chamber of Commerce

Director, Florida Planning and Zoning Association

Member, American Society of Landscape Architects

AWARDS

2007 Leadership Manatee, Manatee County Chamber of Commerce

PROJECT EXPERIENCE

Bayfront Multi-Use Recreational Trail (MURT), Sarasota, Florida (Landscape Architect)

Responsible for alignment coordination, landscape beautification, lighting selection, and development of the MURT signature way-finding and interpretive features. Stantec has played a significant role in the design of the 6.7-mile-long trail connecting Selby Botanical Gardens to the Ringling Museum/University of South Florida (USF) campus area along the bayfront, utilizing City-owned land and other existing facilities. \$205,000

Out-of-Door Academy Athletic Fields, Sarasota County, Florida (Lead Landscape Architect)

Responsible for conceptual design and production of detailed site construction documents for the renovation and expansion of the Out-of-Door Academy's upper campus athletic fields, located in Lakewood Ranch. The project includes the addition of a baseball field, eight tennis courts, softball field, football/soccer field, and a 400-meter track. \$183,000

Glenallen Elementary School Soccer Fields, North Port, Florida (Lead Landscape Architect)

Responsible for conceptual design and production of detailed site construction documents. The 18-acre Glenallen soccer complex is located on Sarasota County School Board property within the City of North Port. The project includes a restroom/concession building, three soccer fields, maintenance building, irrigation system, parking, and stormwater facilities and required extensive coordination between the School Board and City regarding shared use of stormwater lakes. \$115,000

Greenbrook East County Park at Lakewood Ranch, Manatee County, Florida (Lead Landscape Architect)

Responsible for conceptual design and production of detailed site construction documents for this 15-acre public park. The project includes a restroom/picnic pavilion; play ground; soccer fields, multi-use fields, stormwater management system; parking and traffic circulation areas, and walking paths. The park is located between a multi-family development and a public school, and providing pedestrian connectivity between the two sites was a key element of the design. \$51,000

Englewood Sports Complex, Sarasota County, Florida (Landscape Architect)

Responsible for production of detailed site construction documents or the project's final phase. Stantec provided master planning and construction plans for the 136-acre, multi-phased sports park and community center located in Englewood, Florida. The scope of services included environmental assessment, permitting, master planning, landscape architecture, and engineering design. \$250,000

* denotes projects completed with other firms

Scott A. Buttari RLA, LEED AP

Senior Landscape Architect

Greenbrook Village Adventure Park, Manatee County, Florida (Landscape Architect)

Responsible for conceptual design. Serving the Greenbrook residential development in Lakewood Ranch, this park project includes restroom and picnic pavilion, playground, skate park, soccer fields, baseball field, sidewalks, trails, and associated parking. Also included in the park design is the extension of the community's main roadway and the associated utilities. Because the park site is adjacent to the Braden River, portions of the site lie within the river's floodplain. \$85,000

Lake Uihlein Boat Ramp & Dock at Lakewood Ranch, Manatee County, Florida (Landscape Architect)

Responsible for conceptual design and production of detailed site construction documents. This site is located between two existing wetlands and provides access for residents of Lakewood Ranch to utilize Lake Uihlein. The design required creative space planning and included a parking lot between the wetlands to the banks of Lake Uihlein where the boat ramp and dock are located, and minor utilities. \$60,000

Bee Ridge Park, Sarasota County, Florida (Landscape Architect)

Responsible for master planning and redesign. Stantec provided services for the refurbishment of an existing park, including the remodel and expansion of an existing building, the addition of high protection netting to a softball field, reconfiguration of an existing parking lot to add more spaces, playground upgrade, addition of a covered baseball court, and enhancements to the entry landscaping. \$90,450

Bahia Vista - Lockwood Ridge Floodplain Reclamation, Sarasota County, Florida (Landscape Architect)

Responsible for the conceptual master plan of the multi-use trail component of the project including design of the trail, seating areas, picnic area, canoe launch, landscape enhancements, and other amenities. The Bahia Vista - Lockwood Ridge Floodplain Reclamation project consisted of designing and constructing a 0.5 mile long earthen levee along Phillippi Creek, a 36,000 gpm stormwater pump station, floodplain compensation storage areas, and drainage conveyance improvements. The floodplain reclamation project encompasses approximately 125 acres and removes over 100 homes from the Phillippi Creek floodplain. \$698,000

University Place Community Park, Manatee County, Florida (Landscape Architect)

Responsible for concept design and production of detailed site construction documents. This 20-acre community park contains lighted tennis courts, a multi-purpose field, stormwater management system with two stormwater lakes, tot lot, a restroom building with parking lot, and associated utilities. Construction phase services included periodic site inspections along with submitting certifications to the appropriate agencies. \$75,000

The Wellness Community, Sarasota County, Florida (Landscape Architect)

Responsible for creative concept design. Stantec is part of a collaborative team of designers charged with bringing The Wellness Community's goal to create the optimal healing environment for people affected by cancer. The 4.8-acre campus will help serve thousands more patients, survivors, care givers, and children and act as a model facility for others worldwide. The facility will also provide an educational site for sustainable architecture and site design which combines healing arts, design, and nature. The project team is working to obtain a minimum of LEED Gold certification from the US Green Building Council. \$81,000

Steven P. Sammons RLA, LEED AP

Senior Landscape Architect - Parks and Recreational Facility Engineering



A seasoned landscape architect, Mr. Sammons is involved in all aspects of project development and design. He offers experience in site analysis, conceptual design and planning, on-site workshops, preparation of construction documents, and construction observation. Mr. Sammons has extensive experience in resort development and design projects in Argentina, France, Puerto Rico, the Caribbean, as well as throughout the United States. All dollar values are representative of fee.

EDUCATION

Bachelor of Landscape Architecture, University of Florida, Gainesville, Florida, 1988

REGISTRATIONS

LEED Accredited Professional, U.S. Green Building Council

Registered Landscape Architect #1572, State of Georgia

Registered Landscape Architect #1066, State of South Carolina

Registered Landscape Architect #1394, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, American Society of Landscape Architects

PROJECT EXPERIENCE

Colonial Boulevard (I-75 to SR 82) 6-Laning Design, Lee County, Florida (Project Manager)

Responsible for concept design and production of detailed landscape planting construction documents. Stantec's team of highway designers, stormwater engineers, and ecologists provided the necessary integration of expertise to facilitate a regional solution to meet permitting requirements for this six-lane expansion project that included modifications to the I-75 interchange. \$2 million

SR 951 Big Marco Pass Bridge (Jolley Bridge) Design Build, Marco Island, Florida (Landscape Architect)

Project management assistance for concept design and production of detailed landscape planting construction documents. Stantec is working with the design-build team of FIGG Engineering and Johnson Brothers Construction to complete a new two-lane bridge parallel to the existing bridge span. The new bridge will accommodate traffic heading to Marco Island while the existing bridge will serve traffic departing Marco Island. \$810,000

FineMark Bank Feasibility Study & Site Development Design, Lee County, Florida (Landscape Architect)

Responsible for concept design and production of detailed landscape planting construction documents. This project entailed the feasibility study and subsequent development design services for a proposed commercial site. The study included an analysis of landing planning, engineering, landscape architecture, traffic planning, and zoning services. Site development services included boundary survey, land plan, SFWMD permitting, Lee County Development Order, and construction administration services. \$213,500

Venetian Village Private Residence, Naples, Florida (Landscape Architect)

Project management assistance for creative concept design and production of detailed site construction documents. Stantec provided detailed construction documentation (hardscape, landscape, grading, and site finishes including artwork) through construction administration of this 27,450 s.f. island residence. Unique design elements include a sensor-driven water feature fountain in the drive court that tailor's the water flow to the traffic; a second floor pool integral to the architecture with a glass horizon edge overlooking the bay; and a roman style hot spa. \$100,000

* denotes projects completed with other firms

Steven P. Sammons ASLA, LEED AP

Senior Landscape Architect

Pelican Bay, Collier County, Florida (Landscape Architect)

Project management assistance with a renovation study of the site elements for this 2,000 acre, 6,500 unit development. Areas of study included data gathering, concept enlargements, sustainability studies and town hall presentations for site elements such as lighting, traffic calming, landscape planting, entries and pathways. Pelican Bay is a renowned model community established in the 1970's based upon the mission of a partnership between development and ecology with a strong emphasis on environmental stewardship. \$39,000

Town of Big Cypress, Collier County, Florida (Project Manager)

Responsible for creative concept design and production of detailed design development drawings. The Town of Big Cypress was designed as a mixed-use sustainable community, and its planning process utilized the principles and guidelines of the adopted Collier County Rural Land Stewardship Area. To respond to community priorities, Stantec prepared a master plan creating a balanced and cohesive mix of land uses, intensities, and densities, with emphasis on walkability and self-sufficiency for the 3,699-acre site. \$202,500

Old Palm Golf Club Master Planning & Site Development Services, Palm Beach County, Florida (Landscape Architect)

Assisted in creative concept design and production of detailed site construction documents. This exclusive residential golf community encompasses 651 acres and includes 19 holes of golf, plus an additional 3-hole practice academy by Raymond Floyd Design. The Old Palm Golf Club is designed to embody the elegance and distinction of Palm Beach's "Golden Age." The 38,000 s.f. clubhouse will reflect the Moorish style of architecture popular in Palm Beach. \$2.6 million

Pelican Preserve, Lee County, Florida (Project Manager)

Responsible for theming and construction documents for this 2,000-unit, 1,027-acre active adult golf community in Fort Myers, Florida that features 27 holes of golf and a 30,000-s.f. town center. Areas of study included entry features, signage, street lighting, streetscape planting and full construction documents of the town center. \$800,000

Olé TND Village & Neighborhood, Collier County, Florida (Lead Landscape Architect)

Responsible for creative concept design and production of detailed site construction documents. Stantec was responsible for planning, conceptual design, detail design, construction documents, and construction administration. Olé is 125-acre, 625 unit traditional neighborhood development (TND) designed with a combination of townhomes and a California-style casita product. \$730,000

Paseo TND Village & Neighborhood Design, Lee County, Florida (Lead Landscape Architect)

Responsible for creative concept design and production of detailed site construction documents. Stantec was responsible for a feasibility study, conceptual design, detail design, construction documents, and construction administration for this 444-acre, 1,123-unit master planned community offering town home and California-style inspired casita products with resort-style amenities including a 26,000 s.f. clubhouse/village center with a resort-style pool, tennis center, and varied active recreation parks. Paseo is the recipient of the several area building of excellence awards. \$760,000

BelleraWalk at Ave Maria, Collier County, Florida (Lead Landscape Architect)

Responsible for creative concept design including entry theming, overall community landscape planting construction drawings, and associated permitting. BelleraWalk is a 760-acre, single-family residential development consisting of approximately 1,960 single-family units, a town center, and a model center. The community is contained within the 5,000-acre Ave Maria University and master planned community. \$1.3 million

Hampton Village at Ave Maria, Collier County, Florida (Landscape Architect)

Responsible for concept design and production of detailed landscape planting construction documents. This 470 multi- and single-family residential community lies within the Town of Ave Maria. Stantec provided planning, surveying, and infrastructure design including extensive permitting and amendment approvals. Agencies and applications include: Collier County FSP, Ave Maria Utility Company Construction Permits, and FDEP Potable Water and Wastewater Collection permits. \$650,000

Ivy M. Clinton RLA, ASLA

Landscape Architect - Parks and Recreational Facility Engineering



Ms. Clinton offers experience in the design and master planning of parks and recreational facilities, as well as the design of neighborhood entries, streetscapes, and irrigation plans. She reviews relevant code compliance for mixed-use, commercial, and recreational facility projects. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Landscape Architecture, University of Kentucky, Lexington, Kentucky, 2004

Master of Landscape Architecture, Minor in Urban and Regional Planning, University of Florida, Gainesville, Florida, 2006

REGISTRATIONS

Registered Landscape Architect #LA6666989, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, U.S. Green Building Council

Member, American Society of Landscape Architects

AWARDS

2005 University of Florida, Student Award of Merit, American Society of Landscape Architects, Student Chapter

PROJECT EXPERIENCE

Oscar Cooler Park Site Improvement Services, Hillsborough County, Florida (Land Planner)

Responsible for assisting project landscape architect in creative concept and construction document preparation. Stantec provided landscape architectural design, civil engineering, and ecological services for improvements to this community park that is situated around a large wetland system. The park contains four soccer fields and two football fields, a concession stand, a walking trail, picnic pavilions, and playground area and associated parking. \$350,000

Channel District Park, Hillsborough County, Florida (Landscape Architect)

Responsible for the layout and design of this urban pocket park located in downtown Tampa. It is envisioned as a gathering place for local residents and even has facilities for their dogs. The park is themed with a coastal motif. The central element is a large sail pavilion covering a gathering area that can be used for informal seating or can be cleared for small events. An enclosed dog area covers nearly half the site and was a highly desired feature by the residents. A series of public meetings were held in order to create a design that the neighborhood desired. \$150,000

William Owen Pass Park, Hillsborough County, Florida (Lead Landscape Architect)

Responsible for design and production of detailed site construction documents. The park complex includes competition level soccer fields, practice field, concession stands, stadium lighting, storage buildings, paved parking, grass parking, and associated and associated driveways. \$235,000

Channel District Strategic Action Plan Implementation, Hillsborough County, Florida (Landscape Architect)

Responsible for creative concept design and production of detailed site construction documents. This project involves engineering and design services to implement the recommendations of the Strategic Area Plan that are critical to supporting the district's revitalization. Stantec was selected to perform program management, design, and construction administration services for more than \$50 million in new infrastructure and public realm improvements. \$1.2 million

MetWest International Urban Mixed-Use Development, Hillsborough County, Florida (Land Planner)

Responsible for assisting project landscape architect in creative concept and construction document preparation. Stantec was selected by MetLife and Taylor Mathis to provide rezoning, entitlement, landscape architecture, civil/site engineering, transportation, permitting and construction support services for this true, mixed-use urban development located in Tampa's major Westshore Business District. MetWest comprises over one million s.f. of office uses, 74,000 s.f. of retail uses, 254 multi-family homes, and a 270-room hotel on a 30-acre site. \$598,000

* denotes projects completed with other firms



Ivy M. Clinton RLA, ASLA

Landscape Architect



Theresa R. Carron

Engineering Designer - Parks and Recreational Facility Engineering



Ms. Carron provides valuable technical support for civil engineering, survey, environmental, and GIS projects throughout Florida. She is responsible for managing various projects for the Florida Department of Environmental Protection (FDEP). Her background includes technical writing, marketing, presentations, fiscal management, coordination, and scheduling. All dollar values are representative of fee.

EDUCATION

Bachelor of Arts, Business Administration, Flagler College, Saint Augustine, Florida, 2002

Professional Education Center, Project Management for Engineers, US, 2006

PROFESSIONAL ASSOCIATIONS

Member, American Public Works Association

AWARDS

2002 Departmental Award for The School of Business, Flagler College

PROJECT EXPERIENCE

Apalachee Parkway Regional Park, Leon County, Florida (CAD Designer)

Responsible for plans production. Provided CAD-based imagery and GIS data to facilitate conceptual planning. Produced irrigation plan sets. Stantec provided the preliminary and final design of an irrigation system for two existing multi-purpose ball fields and a linear landscape island along Apalachee Parkway. \$5,000

Blue Mountain Beach Access and Restroom Facility, Walton County, Florida (Task Manager)

Responsible for site design and plans production. 2004's Hurricane Ivan produced a storm surge that destroyed several of Walton County's beachfront facilities. Stantec provided the design of a new parking lot, wooden rail sidewalk, underground stormwater treatment vault system, showering facility, and a deep foundation restroom building. \$66,750

Florida Keys Overseas Heritage Trail (FKOHT), Monroe County, Florida (CAD Designer)

Responsible for plans production. The FDEP Office of Greenways and Trails contract for 25 miles of the FKOHT is located within FDOT right-of-way for SR 5 / US-1. Stantec provided trail design and engineering, environmental permitting, surveying, and landscape design services for this Local Agency Program (LAP) project with the FDOT, entailing the construction of a new and innovative pedestrian/bicycle trail that will become part of the overall 106-mile trail system to run the length of the Florida Keys. Considerable design and permitting challenges were presented by the physically and environmentally constrained corridor. \$1.2 million

Hurricane Dennis Boardwalk Repair & Rebuilds, Walton County, Florida (Task Manager)

Responsible for implementing FBC and ADA guidelines during design and production plans. During the 2004 and 2005 hurricane seasons, Walton County had to rebuild and repair numerous public access wooden boardwalks as the direct result of storm surge and beach erosion. Several storms and hurricanes took their toll on wooden boardwalks, both in recovery and reconstruction costs. Designs met FBC and ADA requirements as well as FDEP and Coastal Construction Control Line (CCCL) guidelines and was fast-tracked for public safety. \$20,000

Lafayette Blue Springs State Park, Lafayette County, Florida (Project Manager)

Responsible for overall project design and coordination utilizing numerous professionals, subconsultants, and working with permitting/regulatory agencies. For Florida's 159th State Park, Stantec provided environmental and civil permitting, an environmental assessment, survey infrastructure design, roadway and parking design, cabin placement, sanitary sewer systems via on site wastewater treatment and disposal, stormwater system design, and engineered a system for providing potable well water. Limited construction inspection services were additionally provided. \$377,000

* denotes projects completed with other firms

Theresa R. Carron

Project Manager

Lake Henrietta Trailhead Development Services, Leon County, Florida (Lead Designer)

Responsible for plans production. The Lake Henrietta Trailhead serves as the initial phase in Leon County's greenway project. Stantec provided multiple services for the design of the trailhead facility that provides trail access, 10 vehicular parking spaces, pedestrian circulation, and layout of facilities. Planting and irrigation design was also provided. \$72,750

Miramar Beach Boardwalks, Walton County, Florida (CAD Designer)

Responsible for plans production. Stantec provided the structural design for two timber boardwalks and one timber ADA-compliant ramp from a parking deck to the bottom of a sand dune. The ramp has a cantilevered platform for use as a vista for individuals in wheelchairs. This project required a Coastal Construction Control Line (CCCL) permit for each of the three structures as well as sensitivity to construction times due to turtle nesting season. \$1.5 million

Northeast Community Park, Leon County, Florida (Task Manager)

Responsible for utilizing GIS data and aerial imagery for site design and development. Produced various conceptual plans for park amenities. Stantec provided engineering and site design for 12-acre community park. The park design has two Little League fields, one multi-purpose field, two tennis courts, a basketball court, restrooms, and a concession plaza with the supporting potable water and sanitary sewer utilities. The boardwalk system leads to a pond overlook. \$8,000

Bald Point State Park, Franklin County, Florida (Task Manager)

Responsible for utility design and permitting. Contracted by the FDEP Division of Recreation and Parks, Stantec provided multiple services for more than four miles of new, two-lane rural park roadway; 100-foot-long vehicular/pedestrian bridge replacement; new 250-foot-long vehicular/pedestrian bridge; two new park campgrounds/ day-use area, floating dock, new park buildings (cabins, restrooms, storage, ranger stations); stormwater management facilities; and infrastructure components (potable water, septic systems; electrical utilities). In addition to engineering design and surveying, environmental services included planning, wetland delineations, listed species surveys, habitat mapping, wetland mitigation design, and permitting (FDEP, USACE, NFWFMD). \$650,000

Suwannee River Wilderness Trail, Leon County, Florida (Project Manager)

Responsible for designing numerous campsites that enhanced the natural beauty of the surroundings while preserving the environmental resources of the area. Performed environmental and civil permitting, which required working closely with federal, state, and local agencies to meet demanding regulatory and permitting requirements, many reflecting the high standards of environmental stewardship to which the engineers and owners were held. Provided site design, and engineering services, including potable well water systems, sanitary septic on-site treatment and disposal systems, stormwater design, minimal grading, numerous trail and boardwalk designs, and various river access designs. The Suwannee River Wilderness Trail is a 207-mile river trail system that begins at the Florida-Georgia border and continues to the Gulf of Mexico. Campsites have been built on both sides of the river in many counties, including Hamilton County (Holton Creek), Suwannee County (Woods Ferry, Peacock Slough), and Lafayette County (Dowling Park, Lafayette Blue Springs, and Adams Tract). \$120,000

Dowling Park Investigations and Site Design, Lafayette County, Florida (Project Manager)

Responsible for ongoing client and project coordination, account management, and project scheduling. Provided site layout design, septic design and permitting for an on-site wastewater treatment and disposal system, and design and permitting for a potable water well. This project involved alternative utility investigations, environmental, geotechnical, and archeological investigations for this three-acre primitive campsite. Site design also included boardwalk and trail design, and the coordination and permitting of architectural elements. Stantec additionally provided limited construction observation support. \$90,000

Grayton Beach State Park, Walton County, Florida (Project Manager)

Responsible for client and project coordination including site/utility design and permitting. Stantec provided multiple services for the expansion of this Florida State Park, including design of a campground expansion at a world-renowned beach site, bathhouse addition, utilities extensions, stormwater management, and associated campgrounds and sidewalks. Utility work included the design and permitting of a new sewage lift station for replacement of on-site septic tanks. A plan was included to protect the abundant endangered species located on the site. \$90,000

* denotes projects completed with other firms

B. Experience with Projects of a Similar Type and Size

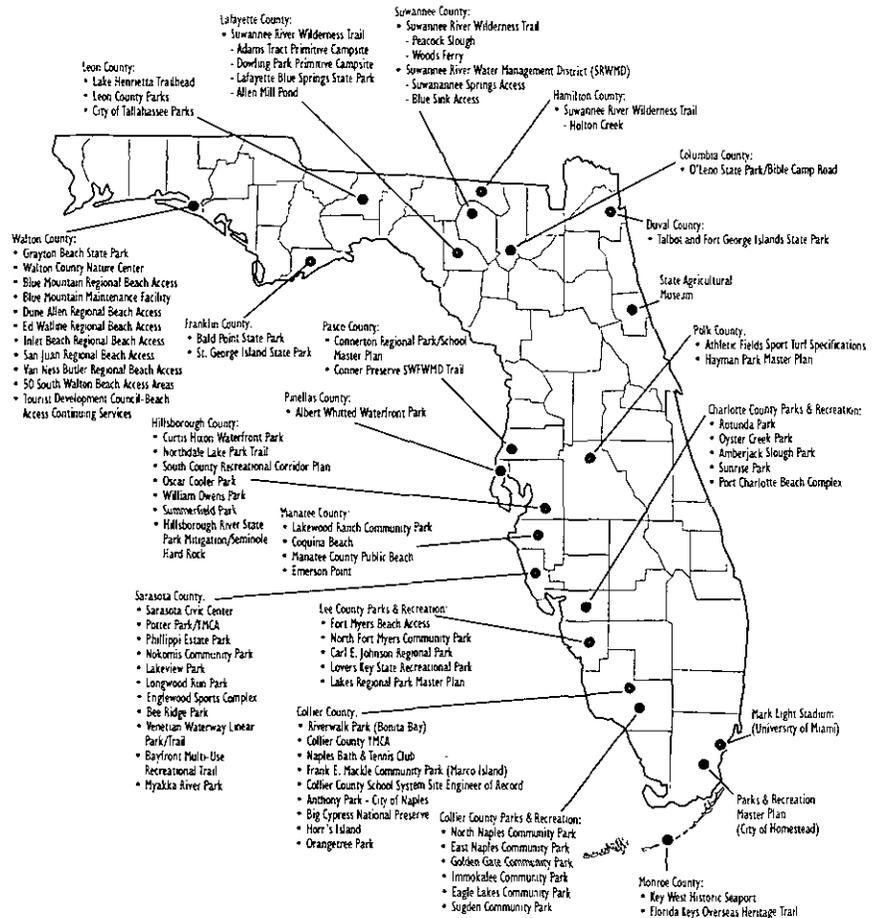
WilsonMiller Stantec professionals apply extensive knowledge and experience surrounding the design of parks to create unique and functional spaces that suit the recreational needs of a wide variety of users.

Responding to the client's development parameters and the site's characteristics, WilsonMiller Stantec designs open spaces to flexibly accommodate activities from team sports, group gatherings or individual recreation, to children at play. The initial design process focuses on bringing form to the intangible goal of creating an engaging yet comfortable place for recreational pursuits. Project team members are guided by the established goals and preliminary forms as they work collaboratively with the client to make the remaining design decisions, and implement the plan through to construction documents, specifications, and construction administration.

Beyond establishing a unique character for the park, technical considerations guiding design are: area and security lighting; accessibility; pedestrian, bicycle, equestrian, and vehicle circulation; parking; utilities, irrigation, drainage, and water features; vegetation selection and maintenance; and interfaces between constructed spaces and natural habitat. Structures incorporated into park designs include: play structures; sport facilities; benches and other site furnishings; restrooms and maintenance facilities. The graphic below highlights the various park and recreational facilities we have worked on around the state of Florida.

WilsonMiller Stantec has provided various services on over 80 parks and recreational projects within Florida. The various services we have provided on these projects include:

- ▶ Master Planning
- ▶ Landscape Architecture
- ▶ Civil Engineering
- ▶ Water/Wastewater
- ▶ Roadway Design
- ▶ Traffic and Intersection Design
- ▶ Surveying
- ▶ Construction Engineering and Inspection
- ▶ Construction Administration



Lake Henrietta Trailhead, Leon County, Florida; Leon County BOCC, Pat Plocek, 850.606.1470; Completed 2007

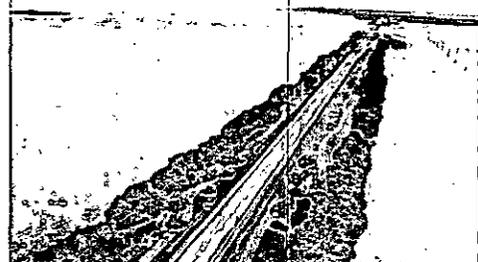
Leon County, Division of Parks and Recreation, is in the process of constructing the Capital Cascade Greenway Project, as outlined in the "Design and Development Plan and Report-January 2004" prepared by The Trust for Public Land. The Lake Henrietta Trailhead serves as the initial phase in this greenway project. The project consists of the design of a trailhead facility that will provide trail access, 10 vehicular parking spaces, pedestrian circulation and layout of facilities.

The facility design includes the necessary amenities such as benches, trash receptacles, site signage (locations only), interpretive/historical signs and animal waste management. This facility does not include any on-site structures. The trail around Lake Henrietta is approximately 6,732 linear feet of 12-foot wide asphaltic concrete. WilsonMiller Stantec also provided landscape architectural services for the trailhead area that included planting and irrigation plans. Key staff: Chris Brockmeier, Principal; Ted Aiken, Civil Engineer; Theresa Carron, Civil Engineer; James Gerth, Engineering Design; Matthew Crim, Roadway/Transportation Design.

Florida Keys Overseas Heritage Trail, Monroe County, Florida; Florida Dept. of Environmental Protection, Tedd McGee, 305.420.8432; Currently Ongoing

The FDEP Office of Greenways and Trails contracted with WilsonMiller Stantec to provide multidisciplinary services on the Florida Keys Overseas Heritage Trail (FKOHT). The FKOHT is a scenic, 100-mile trail extending from Key Largo to Key West, a recreational greenway with numerous recreational and educational opportunities along its scenic route. WilsonMiller Stantec's team is successfully designing over 50 miles of trail segments that meet the demands of multiple user groups. The design integrates educational classrooms and kiosks, roadside picnic areas, multi-use trail, water access points, fishing piers, boardwalks, boat ramps and a myriad of compatible businesses and services into a world-class trail facility. Services include*:

- Ecological investigations, listed species surveys and mapping
- Environmental permitting (delineation of USACE & SFWMD wetlands)
- Mitigation plan development; ERP and NPDES permitting
- Transportation planning and Survey Services
- Trail design and engineering
- Stormwater management / Utility re-location and coordination
- Landscape architecture



*Key staff: Chris Brockmeier, Principal; Theresa Carron, Task Manager; James Gerth, Engineering Designer; Stephen Shaw, Ecologist; Lea Del Tosto, Landscape Architect

Florida Keys Overseas Heritage Trail Design Challenges that may be similar to tasks anticipated under the Continuing Supply Parks and Recreation Category include:

- Meeting FDEP and FDOT design goals within public, private and environmental conditions
- Balancing FDEP design goals with FDOT engineering, budget and safety standards
- Creating a plan that fostered bidding flexibility due to pricing/budget controls

Section 2 – Specific Work Category - B. Experience



This project included the design of new pathways and trailways, boardwalks, roadway and parking for access to the new ranger station, residence and shop.

Advanced treatment systems for wastewater, careful stormwater management, and innovative construction materials and methods were used to protect the fragile environment

Lafayette Blue Springs State Park, Lafayette County, Florida; FDEP, Scott Canard, 850.487.4556; Completed 2008

The Florida Department of Environmental Protection (FDEP) selected WilsonMiller Stantec to provide professional engineering services for the initial park development of Lafayette Blue Springs State Park, Lafayette County, for the designing and permitting of two roadway projects, with related drainage design and recreational facility designs, where construction administration and local land development permitting were required.

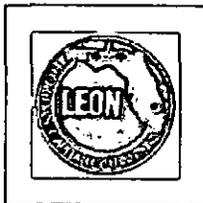
On July 1, 2005, the Florida Department of Environmental Protection reclaimed the operation of this existing county facility. This site became a hub for the Suwannee River Wilderness Trail and provides expanded services fitting its designation as Florida's 159th State Park. The additions included relocating camping sites and the associated amenities further

upland from the banks of the Suwannee River. New pathways, boardwalks, roadway and parking are provided for access to the new facilities. A ranger station, residence and shop are located out of the flood plain, north of the public use areas.

Advanced treatment systems for wastewater, careful stormwater management, and innovative construction materials and methods were used to protect the fragile environment at this truly beautiful site. Natural features at this site include three outstanding springs and the Suwannee River, an Outstanding Florida Waterway. Blue Spring, is a first magnitude spring discharging 45,000 gallons per minute of crystal clear water from a single vent in the south side of the sink. Yanni and Green Sinks are connected to Blue Springs by subterranean water-filled passages; a favorite sanctuary for area cave divers. There is a natural limestone bridge that spans a portion of Blue Spring that can be walked over when the water level of the Suwannee is low and you can swim around it when the water levels are high. At the juncture of these two water bodies, the bright, clear blue waters of the spring contrast sharply with the tannin-brown water of the adjacent river. Various natural communities are present in the upland hammocks, and planted pines which comprise the majority of this twenty-acre park. Key staff: Chris Brockmeier, Principal; Ted Aiken, Roadway/Traffic Engineer; Theresa Carron, Project Manager; Matthew Crim, Transportation Planner; James Gerth, Engineering Design.

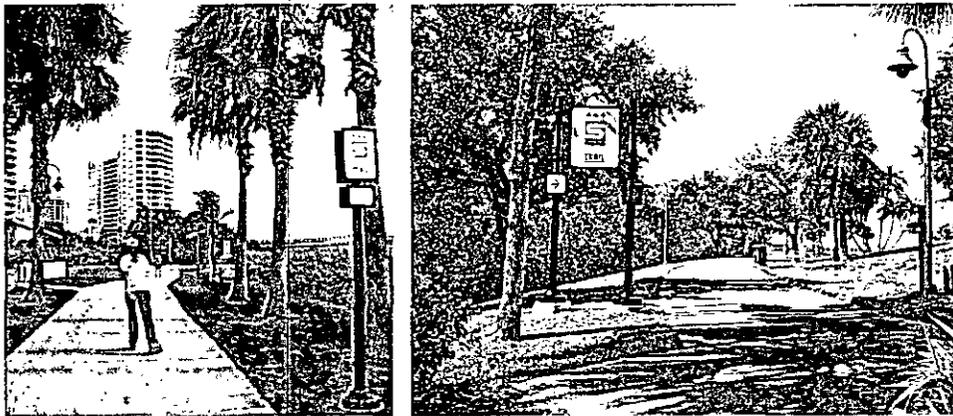
William Owen Pass Park, Hillsborough County, Florida; Hillsborough County, Kevin Hammond, 813.273.3683; Completed 2009

William Owens Pass Park is located on Sydney Dover Road in Sydney, Florida and is in a portion of an 800-acre property owned by Hillsborough County. The proposed improvements include six soccer field, two practice fields, one concession stand, stadium lighting for two game fields, three storage buildings, paved parking with 240 spaces, grass parking, and associated driveways. Utility services provided will include design for a potable water system, a septic system for wastewater, and a feasibility study for a reclaimed water system for irrigation. Key staff: Dave Kemper, Principal; Hamid Sahebkar, Project Manager; Lea Del Tosto, Landscape Architect; Ivy Clinton, Landscape Architect;



Bayfront Multi-Use Recreational Trail, Sarasota, Florida; City of Sarasota, Alexandria Davis-Shaw, 941.365.2200; Completed 2007

WilsonMiller Stantec's work on the City of Sarasota Bayfront Multi-use Recreational Trail (MURT) involved the preparation of a preliminary design report, preparation of final design bid documents, and construction phase services for this 6.7-mile long urban trail. One of the key objectives in the Bayfront MURT project is the creation of a recognizable identity for the trail. This is accomplished through the use of wayfinding signage, distinctive lighting and overall beautification including new landscaping, irrigation, and hardscape elements. Key staff: Scott Buttari, Landscape Architect; Bob Halbach, Engineering.



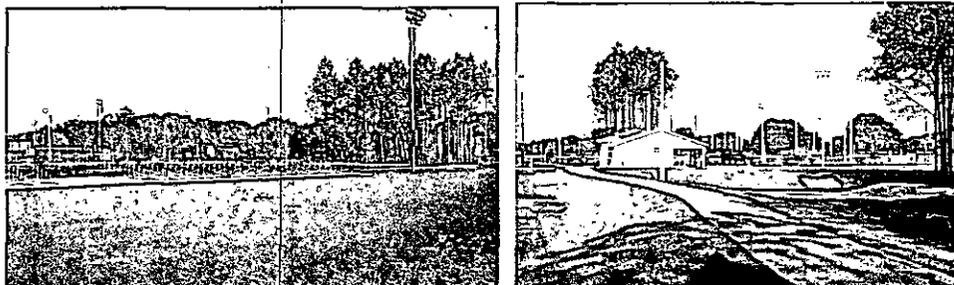
Oscar Cooler Park contains several similar elements to what is described under the Parks and Recreation Category in Leon County's RFP. They include:

- Four soccer fields and two football fields
- Two concession and restroom buildings
- Two parking lots
- Six picnic pads
- Playground area
- Drop-off/ loading area

Oscar Cooler Park, Hillsborough County, Florida; Hillsborough County, Kevin Hammond, 813.273.3683; Completed 2009

WilsonMiller Stantec was selected by Hillsborough County Parks, Recreation, and Conservation Department to design a community sports complex around an existing wetland system. The park plan contains four soccer fields, two football fields, two concession and restroom buildings, two parking lots, six picnic pads, a playground area, and a drop-off/ loading area.

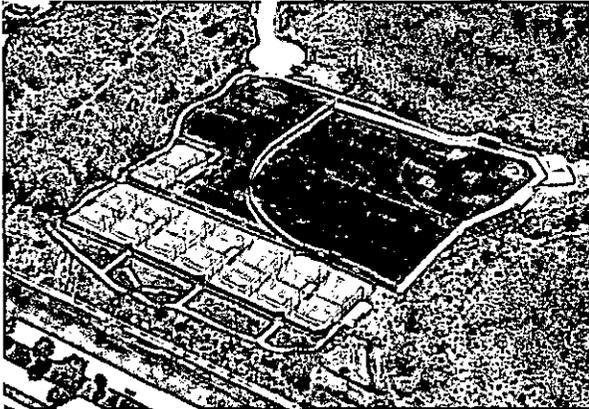
The project goal was to accommodate the needs of the soccer and football leagues while protecting the existing wetland system and buffering the neighboring residential areas from noise and light. The location of the wetland system provided a natural division of space, allowing for the separation of the user groups into two distinct zones. Key staff: Dave Kemper, Principal; Hamid Sahebkar, Project Manager; Lea Del Tosto, Landscape Architect; Ivy Clinton, Landscape Architect



Section 2 – Specific Work Category - B. Experience

Out-of-Door Academies Athletic Facilities, Sarasota County, Florida; Out-of-Door Academy, LLC, David Mahler, 941.349.3223; Completed 2010

WilsonMiller Stantec was responsible for the survey, layout/design, construction plans, stormwater design, permitting, and ecological investigations for the renovation and expansion of the Out-of-Door Academy's upper campus athletic fields, located in Lakewood Ranch. The project includes the addition of a baseball field, eight tennis courts, softball field, football/soccer field, and a 400-meter track.



The baseball field was designed with a dual purpose drainage/irrigation underdrain system. Permitting for the project was achieved through Sarasota County and the SWFWMD for the project. WilsonMiller Stantec's Ecological & Water Resources Team were called upon to perform a listed species survey, exotic species removal, and wetland seasonal high determination. Key staff: Scott Buttari, Landscape Architect; Frank Domingo, Transportation Planning; Matthew Crim, Roadway Design; Scott McKenna, Civil Engineering.

Northeast Regional (Hayman) Park, Polk County, Florida, Polk County Parks and Natural Resources, Bob Wiedrich, 863.534.4340, Currently Ongoing

Polk County's Parks and Recreation Department selected our team to prepare a master plan for the new regional park facility. Located in the extreme northeast portion of the County, this area has been historically unserved by public County recreational services.

The project team prepared preliminary environmental and engineering analysis both natural and cultural conditions within the former citrus grove site. Site conditions included more than

100 feet of elevation change and high sandy soils. Results of the analysis were incorporated within the creation of alternative designs that included a program for 6 soccer fields, 5 baseball fields, boat ramp, dog park, tennis courts, basketball courts, racquetball courts, biking/hiking trails and support elements for both active and passive recreational uses. The recommendation for use of synthetic turf for the play field surfaces was made to reduce potable water demand, decrease maintenance costs, and increase long term play conditions.

The team conducted several public workshops to review opportunities and constraints, incorporated comments, and created a preferred master plan concept for local elected official's approval. The project team is currently completing the fast-tracked construction documents and permitting for \$14M of Phase 1 improvements. Key staff: Dave Kemper, Principal; Neale Stralow, Landscape Architect/Planner; Lea Del Tosto, Landscape Architect; Frank Domingo, Transportation Planning.



Bald Point State Park, Franklin County, Florida; FDEP, Richard Reinert, 850.488.5372; 2008

Bald Point State Park, a FDEP project, is located along the gulf coast of Franklin County in approximately 5,000-acres of coastal scrub and forest. The existing developments within the facility consist of a parking area, restroom facility, and beach access. WilsonMiller Stantec is providing professional services to develop a portion of the interior of the park. These services include designing a new, three-mile long roadway that leads to a thirty-site RV campground with full utility service to each site, a bath house, potable water well, and an advanced treatment On-site Sewage Treatment System (OSTS). Another roadway to the west will lead into the cabins site. These cabins will be elevated up to nine feet above grade, as well as a support building for commercial laundry and other housekeeping activities. An additional potable well and OSTS treatment system will provide service to the Cabins site. The scope also included design of two new bridges (a 100' long Bailey bridge and 350' long precast concrete girder bridge), a range station and day use picnicking site with canoe launches. Key staff: Chris Brockmeier, Principal; Theresa Carron, Task Manager; James Gerth, Engineering Designer; Stephen Shaw, Ecologist.



On the South County Recreational Corridor Plan, WilsonMiller Stantec evaluated recreational needs, natural and cultural conditions and demographic patterns across 250,000 acres to help the greenway corridor efforts.

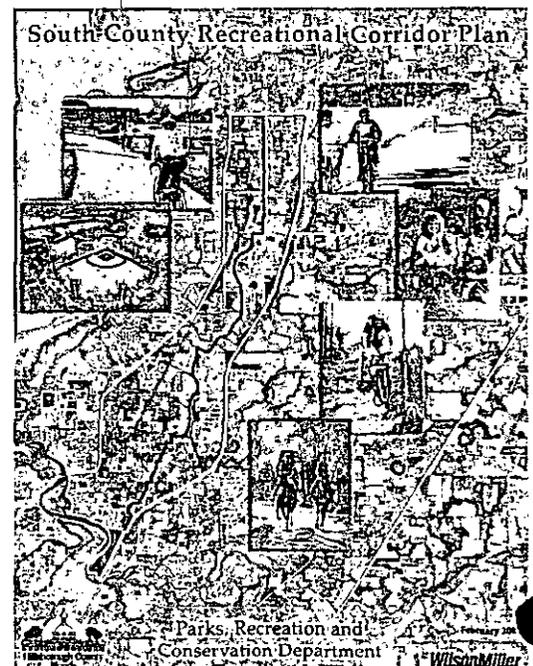
South County Recreational Corridor Plan, Hillsborough County, Florida; Hillsborough County, Mark Thornton, 813.635.3500; Completed 2007

As part of the South County Recreational Corridor Plan (SCRCP), WilsonMiller Stantec analyzed existing natural conditions, conducted a recreational needs assessment telephone survey, and generated design concepts for two recreational greenway corridors. The South Coast Greenway is planned to extend more than 10 miles in total length and connect existing neighborhoods with new master planned communities. The corridor includes both public and private development segments that will occur in three phases, beginning in 2007 with anticipated completion by 2012. The greenway will include a 15-foot wide, paved multi-use trail and ancillary recreational facilities designed to accommodate various user groups. Access to existing recreational uses, public schools, major retail and residential developments are identified.

The Cross County Greenway is planned to extend more than 20 miles in total length and connect Manatee County to central Hillsborough County in the future. The greenway will include a variety of trail uses including equestrian users. Major trailhead locations were identified during the project. Our planning and design team was responsible for:

- Undertaking two concurrent recreational greenway corridor evaluations
- Identifying opportunity and constraints analysis for future programming
- Completing a telephone-based needs assessment survey
 - Developing recreational concepts based upon data assessment

Key staff: Neale Stralow, Landscape Architecture, Planning



B. Experience With Projects of a Similar Type and Size

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

We are currently under the following contracts that demonstrate our experience in the Parks and Recreational Facility Engineering category:

Project Name
Grassy Key Development, FDEP
Florida Keys Overseas Heritage Trail, Lower Sugarloaf Trail
Florida Keys Overseas Heritage Trail, Summerland West Mitigation
Bald Point Park Construction Close Out
Northeast Regional Park, Polk County

Our vast experience working together on local and state parks projects has equipped us to perform at a very high level of technical competency and efficiency for Leon County on this contract.

3/4. Describe the Firm’s process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for Parks and Recreational Facility Engineering.

There are numerous resources, guidelines, standards, codes, and regulations that are applicable to the field of Parks and Recreational Facility Design and Engineering. Our staff are highly experienced at applying the standards, codes, and regulations that are unique to our discipline. Our vast experience working together on local and state parks projects has equipped us to perform at a very high level of technical competency and efficiency for Leon County on this contract. During negotiations of a task assignment, our Contract Manager will involve key personnel on the project in the identification of applicable standards, codes, and regulations, based on the assignment’s unique scope of work. We will communicate these project requirements to the County’s Project Representative.

When there may be a conflict between standards or more than one standard applies, we will work cooperatively with the County to select the most appropriate standards for the project. A partial list of standards, codes, and regulations that may be applicable to task assignments under this contract include, but are not limited to the following:

- American with Disabilities Act – Accessibility standards
- Florida Unified Building Code – Building standards
- Florida Department of Environmental Protection – Environmental Resource Permitting
- Florida High School Athletic Association – Recreation facility design standards
- Statewide Comprehensive Outdoor Recreation Plan – Needs analysis
- Northwest Florida Water Management District – Environmental permitting
- Tallahassee / Leon County Comprehensive Plan – Level of Service standards
- Leon County Code of Ordinances – Site development standards



Section 2 – Specific Work Category - B. Experience

5. Describe the 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.

Software that our team will use is typically ArcGIS for site assessment and planning and AutoCAD for design. Below is a more detailed list of the programs/software we may use during the design of a parks and recreational facility project.

- CADD
 - o WilsonMiller Stantec operates both the AutoCad and Microstation CADD software platforms giving us greater flexibility in meeting client specific requirements
 - o Land Desktop and Civil 3D
 - o Geopak
 - o AutoTurn
- Scheduling
 - o Microsoft Project 2003
- Word Processing, Spreadsheets, Databases, Presentations
 - o Microsoft Office 2007 Software

We have an internal checks and balances system built into our QA/QC program that prevents mistakes from ever making into the field.

This results in not only strict adherence to budget, but the decrease in change orders during construction which saves both time and money to the owner.

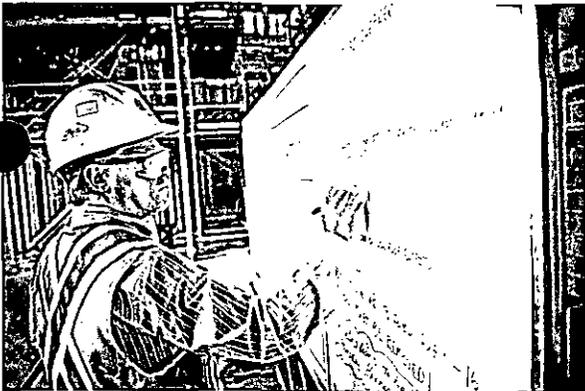
C. Willingness to Meet Schedule and Budget Requirements

Meeting Schedules and Budgets

The WilsonMiller Stantec team philosophy on cost and schedule control is to “do it right the first time “DIRTFT”. We believe the cost of correcting problems with any project weighs heavily on when the problem is first identified and then corrected. For instance, a problem that may only cost \$100 to correct if caught early in the project, may cost \$10,000 to correct during implementation.

Our team is committed to reducing the overall consulting fees to the County by utilizing appropriate project staff and realistic schedules. This commitment includes three basic concepts:

- 1) Identify, understand and utilize available technical information
- 2) Identify “value staffing” based on eliminating the use of over-qualified staff when they are not required.
- 3) Emphasize strong project management to implement the project within the agreed schedule and budget.



Controls for Meeting Schedule & Budget - Management Approach
WilsonMiller Stantec believes in a strong role for its Contract Managers and Task Managers. As a result, the project manager has full authority to directly commit staff and resources throughout the company. During the project, if the schedule or scope changes, our project manager can coordinate the necessary changes directly with the County staff in order to provide immediate response to the County's needs. We are well aware that the County's project managers routinely oversee several projects simultaneously, consequently, one of our chief objectives is to facilitate the County project manager's oversight of the project. Specifically, our project manager will maintain chief contact with the County's project manager. Our communications objective is to provide the County's project manager with current project information at all times, without adversely impacting the schedule.

Our project manager will also maintain coordination between the County's project manager and project team through weekly status memos (via e-mail or faxes) and monthly progress reports and regularly scheduled project meetings. Our project manager and members of our project team will be available for project meetings or for on-site reviews with County personnel or other representatives as required.



Coordination of Work

Initial lines of communication and coordination will be established at the onset of the project or task assignment prior to issuance of the notice-to-proceed. At this meeting, appropriate aspects of the work (such as scope, schedules, budgets, QA/QC plan, and public involvement) will be discussed and ground rules for conducting the work, communication, and coordination will be established. A detailed schedule and scope will be submitted with each cost proposal for a given assignment.

Section 2 – Specific Work Category - C. Schedule and Budget

Throughout the duration of the project, we will maintain frequent contact with the County's project manager to keep him advised of progress and budding/anticipated challenges that are encountered. It is anticipated that we will meet with the County's project manager at least monthly, but more frequently if necessary.

Communications with the County's project manager will be an integral part of the project. We believe that the effective use of the clients participation will provide a mutually successful project for all parties, from the project development phase through final design and permitting.

Milestone meetings will be scheduled with the County to inform the project team of the progress on the project, in relation to scheduled completion tasks and work products. Emphasis will be placed on the use of hand written transmittals and memoranda, or facsimile transmittals, to reduce secretarial time and provide the County with prompt information on the project.

The project manager will also communicate with the County through weekly telephone contact. The purpose of the phone calls will be to inform the County of the latest project developments, and to resolve potential problems or project conflicts.

We are confident with our proactive approach to identifying and solving problems that the Advantage Engineering team can complete the County's task assignments on time or ahead of schedule within the agreed upon budget.

Our current workload is divided amongst a staff of 15.

As you can see in the table to the right, nearly every one of our current projects are expected to be completed this year.

Section 2 – Specific Work Category - D. Workload

D. Effect of Firm’s Recent, Current and Projected Workload

The table below identifies the projects that WilsonMiller Stantec is currently under contract along with the anticipated completion dates.

Project Name	Est. Completion Date
Polk State College Advanced Technology Center, Site Engineering	2012
Grassy Key Development, FDE, Engineering Services P	2011
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District	2011
Franklin Correctional Institution, Engineering Services	2011
Marathon Safety Improvements, Engineering Services	2011
Santa Clara and Willow Street Construction Administration	2011
Windley Key, Sargarloaf Trail Segment Extensions - FDEP	2011
Bald Point Construction Close-Out, Roadway/Traffic Design Services	2011
SR 189 from Roberts Blvd, Roadway Design Services	2012
Group 11-02 Resurfacing, FDOT, Roadway Design Services	2011
City of DeFuniak Springs, Planning Services - CRA	2011
City of Carrabelle CRA, Planning Services	2011
Bay County Joint Land Use Services, Planning Services	2011
Villages of Seloy, Planning Services	2011
EAR Amendment - Marianna Comprehensive Plan, Planning Services	2011
Bal Harbour Shops, Planning Services	2011
St. Andrew's Bay, Civil Engineering Services	2011
Florida Keys Overseas Heritage Trail Summerland West Mitigation; Environmental Management Services	2011

All of our proposed team members have previous experience in providing services under continuing contracts to a variety of clients. These team members average 20 years experience each, so Leon County can rest assured they are receiving highly-qualified, experienced staff assigned to the continuing contract no matter how small the task assignment.





Our staff holds regular project update/scheduling meetings to ensure the project(s) stay on track and within budget.

Our assigned team members have the ability to start work as soon as a task order is assigned under the Continuing Supply contract. We have assigned a core team of 8-10 people to the team, that will be "on-the-ready" if we are assigned the contract. They will be able to absorb any projects issued under the Continuing Supply Contract because we anticipate the majority of our projects to be completed by end of 2011.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

We hold regular project scheduling meetings to ensure that our projects stay on budget and within anticipated schedule. This is key to managing the overall workload of multiple miscellaneous task orders simultaneously.

Section 2 – Specific Work Category - E. Location

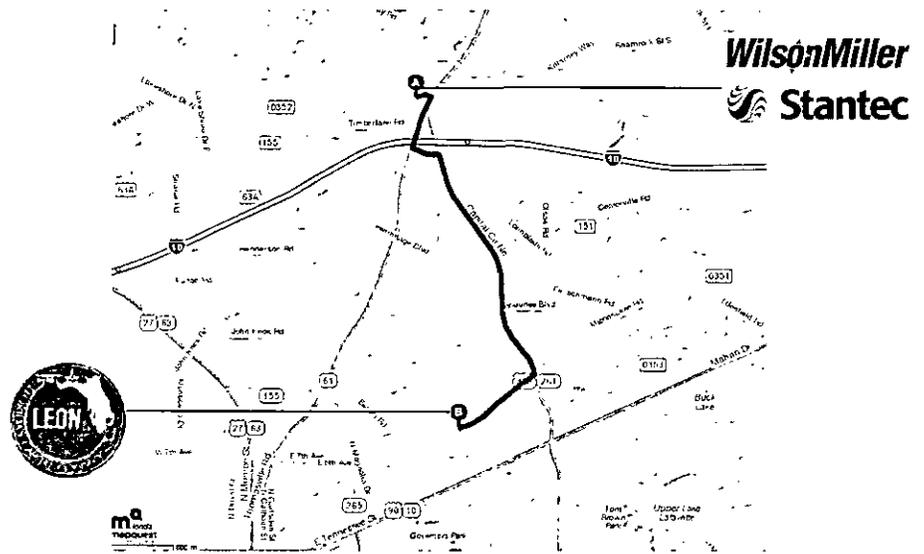
E. Project Team Location

Our project team is predominantly located at our Tallahassee office, located locally in Leon County. The address is:

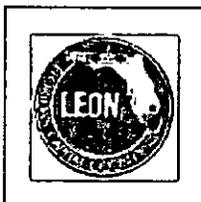
- 1441 MaclayCommerce Drive, Suite 101
Tallahassee, FL 32312

Our team will be supplemented by personnel located in other offices throughout Florida and Georgia. As a corporate policy worksharing is a common practice, one that occurs between various offices and amongst disciplines. Our staff is familiar with working on projects that are not local to them, and know our internal process of communicating regularly with local personnel in order to seamlessly provide service.

Our local presence will be a significant advantage in our ability to easily service any tasks assigned under the Continuing Supply contract.



Our Tallahassee office is located 4 miles from the Leon County Public Works address at 2280 Miccosukee Road.



F. Approach to the Project

WilsonMiller Stantec's method of executing work focuses our team on working as an extension of the Leon County staff. Consequently, we always will be keenly aware of the importance that timely project communications will have. We apply a consistent methodology and rationale to every project we deliver. While individual projects that we complete present their own unique characteristics and specific challenges, our approach to completing each is the same. Successful projects begin with the development of a specific project scope. Included in the scope of services is an identification of all project deliverables and an associated schedule for the project. This scope must be fully understood by the Leon County and WilsonMiller Stantec. It is our commitment to provide a timely and cost-effective response to the County's needs.

The actual steps to implement a project task or work order under this continuing supply arrangement may vary according to the needs of the County, but we would generally recommend the following approach:

It is anticipated that County Department Director, or his or her authorized designee, would contact WilsonMiller Stantec's Contract Manager, Chris Brockmeier, directly with an initial request for services. This initial contact may be verbal or in writing.

After the initial discussions with the County's representative, Mr. Brockmeier would prepare a draft work order for the requested services including a work plan, fee proposal and task schedule. The work plan will indicate: 1) what work is to be performed, and 2) by which team members. If any outside services or subconsultants are required to complete the project, WilsonMiller Stantec will indicate the names of the firms and/or service providers that will be utilized in the performance of the work. (Note: no costs are incurred by the County for the preparation of work orders by WilsonMiller Stantec).

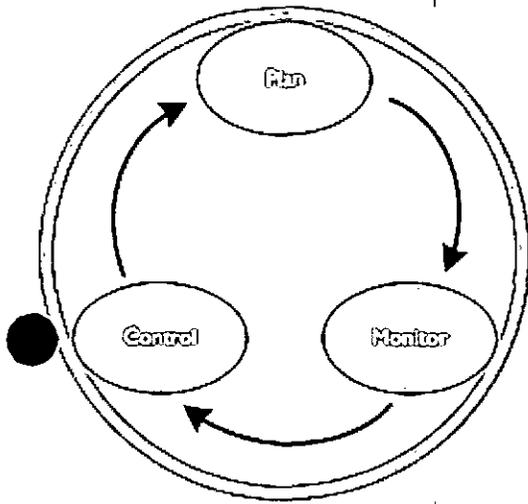
Following the County's receipt of the draft work order, the County would complete the negotiation of the scope of services and fees, and under the appropriate authority, authorize the work to proceed. We will remain flexible with respect to submitting and completing the scope and fee negotiations in time for County staff to meet any internal submission deadlines for approvals so that the work can proceed as soon as possible.

Upon receipt of the authorization to proceed, WilsonMiller Stantec will begin work and proceed pursuant to the adopted task schedule. Work will proceed according to the schedule, with deliverables provided according to the adopted work plan.

County feedback will be solicited via e-mail communications, informal progress meetings, and formal review workshops and submittals. During the life of the work order, an appropriate number of meetings will be established in the work plan to ensure that the desired results are obtained as part of the timely completion of the project.

PROJECT MANAGEMENT

Through effective project management WilsonMiller Stantec ensures completion of the project within budget and time constraints; the preparation of quality engineering plans, specifications, and contract documents; and ongoing, timely response to Leon County's needs.



PROJECT COMMUNICATIONS

The ongoing communication between the client and consultant is important for a successful project. As the design process is developed and implemented, the scope and requirements of the project are evaluated to make certain the needs of the County are being met. Procedures that ensure effective communications will be used for each project: a detailed work plan and scheduled progress reports. Progress reports are prepared to show the work to date, to identify any potential problems and resolutions. These are submitted to the County for review and discussion of project status.

PROJECT EXECUTION

WilsonMiller Stantec works closely with the client and other stakeholders to develop a park master plan and design that considers the surrounding context, describe usages on the site, and guide subsequent design and development. We aim to provide a 'sense of place', responding to historical and physical context, as well as program objectives, and united design while maintaining flexibility for active and passive activities. We often inform and respond to a design process that allows the public and other stakeholders to participate in the design process through workshops and surveys.

Depending on the needs described, park usages incorporated into the master plan can include: passive and active recreation; public events; and individual and team sports. Our team offers significant expertise in public consultation, research, site data collection and analysis, and establishing master plan frameworks, thereby streamlining the design and implementation process. We also assist our clients with budgets, schedule preparation, and construction administration.

We would suggest that the design process begin with an interactive community design workshop, in which a full discussion of community interests and opinions can be expressed, the earlier conceptual designs can be reviewed, and attendees have an opportunity to share in the development of updated design concepts. Upon selection, we will work with County Staff to formulate a scope of services. Below is an anticipated scope:

- **Task 1** - Project Kick off meeting, Site Investigation, and Data Collection – Team members will meet with the County's Project Manager to coordinate an action plan for working the project. At the same time, information will be gathered about the site such as survey information, a tree assessment, and investigation of existing facilities. Also we will compile the data from previous meetings and obtain design direction that occurred since concept plan's completion.
- **Task 2** - Preparation for and staging the Community Design Workshop (if required)– Team members will work with the County to vet where the design concept plan stands and how it should go forward. The information garnered by the Citizens Advisory Committee and the changing demographics of the area should be included as the design goes forward.
- **Task 3** - Conceptual Design – Based on the information gathered during Tasks 1 and 2, team members will prepare a conceptual design that incorporates the stakeholders input and the County's desires into a consensus based plan. Our team's urban and rural park expertise will be coupled with the local expertise of working in Leon County and understanding of the local culture.



WilsonMiller Stantec facilitated a number of community involvement meetings and charrettes during the South County Recreational Corridor Planning project for Hillsborough County. Neale Stralow, Landscape Architect and Planner, is seen in the photo above, moderating one of these meetings.

Section 2 – Specific Work Category - F. *Project Approach*

Chris Brockmeier and Dave Kemper will both act in QA/QC roles to ensure the successful delivery of any task orders assigned under this Work Category.

- **Task 4** - Preparation and staging a Community Meeting to Present Design Concepts (if required) – This workshop will give the community a chance to respond to the prepared concept. The feedback will be utilized to refine the plans and proceed to the Design Development stage.
- **Task 5** – Schematic Design / Design Development – We will proceed with preparing plans that further define the park elements and how they are to be constructed. Plans will be reviewed by County staff for compliance with design direction.
- **Task 6** - Construction Documents – Plans will be prepared for building of the park elements defined in the Schematic / Design Development phase. These plans will be coordinated through Contract Management for bidding purposes.
- **Task 7** - Construction Administration – The team will support the County during the construction phase to insure that the plans and specifications are being performed correctly.

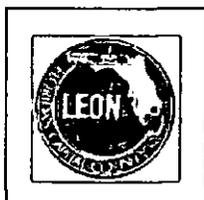
For each project awarded, WilsonMiller Stantec will include services for all engineering, surveys, geotechnical investigations and structural services necessary to successfully complete the project.

QA/QC APPROACH

WilsonMiller Stantec has aggressively pursued its commitment to quality for every task, deliverable, and service provided. Recognizing the critical importance of careful quality control, we have assigned seasoned professionals that have no line authority or are actively working on the project to head up our Quality Assurance Program for this project. The objective of our quality control/ quality assurance program will be to ensure that our services are based on sound engineering principles and practices that reflect the highest standards. This ensures that the deliverables conform to the client's scope and are thorough and accurate.

Quality control is assured by a carefully designed system of crosschecks and independent reviews by senior personnel of the firm. Prior to starting the project, we will hold an internal meeting with key members of the team assigned to the project to define roles and responsibilities, establish realistic schedules, and clearly identify project milestones and goals. The professionals involved in monitoring the Quality Control Plan will define their expectations for the project and their role in the Quality Assurance.

- *Management Responsibility* - Management has designated an office representative who has defined authority and responsibility for implementing and maintaining the quality policy.
- *Project Control* - Our project manager will establish and maintain procedures to control and verify project scope performance. This will allow our team to meet project specific criteria, other specified requirements, and requirements of the relevant regulatory agencies.
- *Document Control* - We use an electronic document records management system that tracks all documents, including non-electronic documents, by project.



- *Subcontracting* - We require our subcontractors to identify and plan the production processes that directly affect quality and to perform these processes under controlled conditions.
- *Inspection and Verification/Testing* - We document results for receiving incoming products, work in process, and final inspection of outgoing documents.
- *Inspection and Verification Status* - This accepts only work that has passed the required inspections and verifications.
- *Nonconformance* - We will establish and maintain procedures to correct nonconforming work so that such work is not inadvertently used or installed.
- *Corrective Action* - This includes procedures for investigating the cause of nonconforming work, the corrective action needed to prevent recurrence, and procedures for analysis to detect and eliminate potential causes of nonconforming work.
- *Training* - WilsonMiller Stantec has established and maintains corporate-wide procedures for identifying the training needs and providing the training of all technical and professional personnel performing activities that affect quality.

While maintaining the highest level of QA/QC in every WilsonMiller project, quality improvement efforts are intended to establish strategies for continued improvement in areas of production, scheduling, and multi-disciplinary coordination. To that end, WilsonMiller has developed a post-project evaluation summary process to assist the project manager in evaluating both positive outcomes/solutions and any obstacles faced throughout the performance of the project.

PERFORMANCE MONITORING

After each phase of the process has been completed and before the deliverables are submitted, there will be a quality control inspection to determine if the product is technically correct and consistent with the goals and objectives of Leon County.

Any changes or modifications required in order to respond to comments or suggestions during the QA/QC process will be incorporated into the project during the ongoing analysis prior to submitting the project to County staff or the permitting agencies.

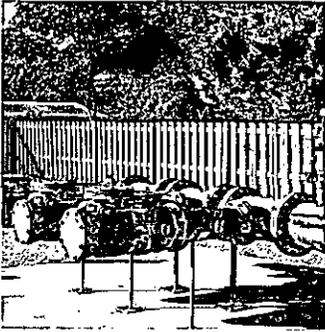
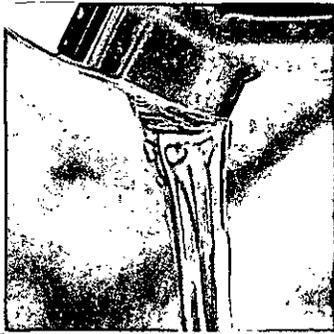
The Contract Manager for WilsonMiller Stantec, aided by the appropriate QC personnel as a last check, will review all documents that have gone through the Quality Control Process for consistency with project requirements and technical adequacy before it is submitted to Leon County.

RESULTS

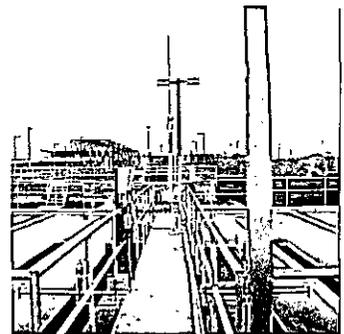
WilsonMiller Stantec is committed to provide the services required by Leon County with a project team to fit the County's direction, focusing on meeting three fundamental objectives:

- Completing the project on *Time*
- Completing the project within *Budget*
- Completing the project with the *Quality Expected*

WilsonMiller has developed a post-project evaluation summary process to assist the project manager in evaluating the end results of the project and developing a core list of strategies to continue to maintain success and other avenues to correct potential obstacles in the future.



Utility Engineering



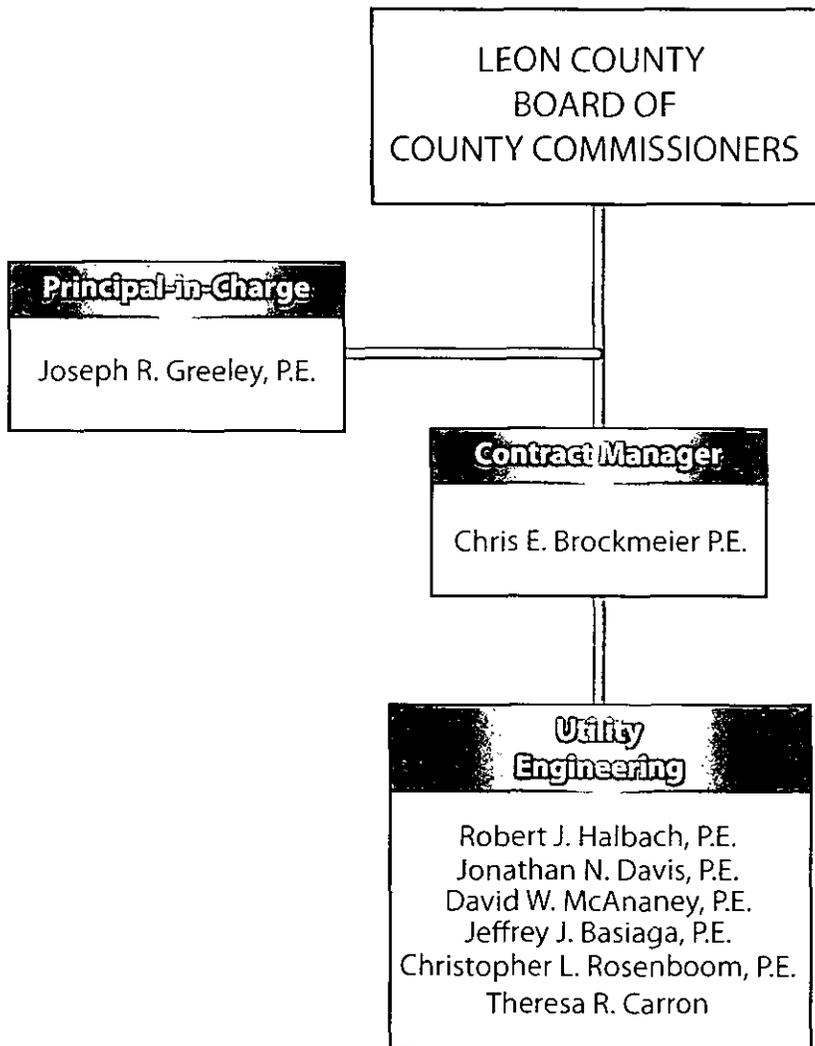
A. Ability of Professional Personnel

Although we are applying from our Tallahassee office, we will be utilizing staff from various locations throughout Florida to help supplement our team as scope requires. This includes adding staff from the Macon, GA office, as well as Tampa and Sarasota offices.

We have a dedicated pool of experienced individuals that are "on-call" for any tasks that are assigned under the Utility Engineering Category. The organizational chart below and the attached resumes showcase those personnel that have been selected to be dedicated to these projects due to their availability and workload.

WilsonMiller's broad range of in-house services makes us unique in the fact that we are able to provide clients with a one-stop-shop on any given project, or as demonstrated with our previous work with Leon County.

With the various discipline resources available in-house, we are able to function as a coherent team to provide miscellaneous, continuing services effectively and seamlessly.



Joseph R. Greeley PE

Principal - Utility Engineering



Mr. Greeley has over thirty five years of professional and technical expertise in the design, operation, construction, and troubleshooting of environmental facilities. His diverse background includes: wastewater and water process design for municipal, commercial and private developments; operation and troubleshooting of water and wastewater treatment plants using activated sludge, sequencing batch reactors, rotating biological contacts and denitrification filter technologies; industrial pretreatment program development and implementation; industrial wastewater treatment design; and hazardous waste treatment and storage facility projects.

EDUCATION

BE - Civil Engineering, Manhattan College, New York, New York, 1976

Masters Studies, Polytechnic Institute, New York, New York, 1982

REGISTRATIONS

Professional Engineer #55721, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, Water Environment Federation

PROJECT EXPERIENCE

North Master Reuse System Facilities Permitting, Sarasota, Florida

Project Manager (Stantec) for the development of the North Master Reuse System permit application, supporting documentation, and all technical correspondence with the FDEP with regard to the renewal of the SCNMRS. Also developed the system capacity basis for permit application, ground water quality trend analysis, and an evaluation of all system components.

Oak Ford Wastewater Treatment Facility, Sarasota, Florida

Project Manager responsible for developing alternative evaluations, recommendations, and regulatory compliance negotiations. Also responsible for the design report and construction plans, specifications, and cost estimate for improvements to the Oak Ford WWTP that will improve the effluent disposal system while plans to decommission the WWTP are developed.

Also worked with county and state agencies to smooth and speed the permitting processes. A permit application to the FDEP was completed in three weeks – a process that involved extensive coordination with FDEP through planning, permitting, construction and final closeout.

Rehabilitation of Lift Station Nos. 2, 8,9,17, Sarasota, Florida

Mr. Greeley was the contract manager and lead design engineer with Dave McAnaney for the design of rehabilitation of four master lift stations. The lift stations varied in size from 700 GPM to 1600 GPM and included demolition, site work, structures, electrical, HVAC, odor control, submersible pumps, back-up diesel pumps, and controls. Responsibilities included lift station design and layout, equipment selection, hydraulic analysis, permitting, preparation of public presentation materials, development of contract documents, and the development review committee required documents.

Long Term Biosolids Initiative, Sarasota, Florida

Project Manager for the development of technical documents for biosolids process and disposal. As project manager, he established meetings with the various County stakeholders, identified the major contractors in the biosolids disposal field, visited typical biosolids processing facilities, estimated potential costs for the different biosolids processing technologies, and developed the RFP documents for the County.

Capacity Analysis Report and Permit Renewal 4 MGD WRF, Punta Gorda, Florida

Senior project manager for the development of a capacity analysis report, operation and maintenance performance report and permit renewal application for the 4-MGD City of Punta Gorda wastewater treatment plant.

* denotes projects completed with other firms

Joseph R. Greeley PE

Principal

Siesta Key Advanced Wastewater Treatment Plant Feasibility Report, Sarasota, Florida

Project manager for the Siesta Key Advanced Wastewater Treatment Plant feasibility study. The project involved a detailed evaluation of the physical and biological treatment processes. Concept design were developed for single sludge denitrification as well as the design of a down flow attached growth denitrification filter for low level effluent nitrogen discharge permit requirements. The improvements also included consideration of UV and chlorine dioxide disinfection as an alternative to chlorine. Detailed life cycle analysis was conducted on all alternatives to determine the final recommendation.

Sarasota County CIP Project Coordination Program for Utility and Public Works Projects, Sarasota, Florida

Project Manager for a program that involved the coordination of all utility projects with public works projects to assure that the business centers were integrating the planning of projects within the public right of way. Utility installation and road repaving and expansion projects were reviewed to determine if project schedule adjustments could be made to optimize the monies spent on capital projects. Coordination of utility installation with repaving could result in doing the work at the same time eliminating the need to damage newly repaved roads by installing pipelines at a latter date.

Sarasota County Utilities CIP Program Evaluation, Sarasota, Florida

Project Manager for the program to evaluate the county CIP program for consistency with Master Plans, coordinate projects performed in phases to assure they would come together seamlessly, and evaluate the allocation of projects between internal staff. The project involved studying the county water, wastewater and reuse utilities to assess the CIP project impacts.

Sewerage Pumping Station Rehabilitation at Four Locations, Sarasota, Florida

Project manager for the design of major rehabilitation work at Lift Stations 2, 8, 9 and 17. These lift stations range in size from 1 mgd to 2.25 mgd. The work involved conversion of the lift stations from wet pit/ dry pit to submersible type. The project included emergency power generation, telemetry addition, odor control, elevation of critical equipment above FEMA flood elevation and re-engineering the site, structures and architectural features to fit in with the surrounding communities.

City of Sarasota Sewer Mapping, City of Sarasota, Florida

Project manager for the development of a comprehensive sewer map for the City. The project created an updated series of over 100 maps in AutoCAD form, depicting sewer pipes, manholes, valves and lift stations. Lift station tributary areas were denoted and all pipe sizes were identified. The data for the system was set up in attribute form to allow for download and input into the City's ArcInfo/GIS system without duplication of effort.

Private Utility System Acquisition Due Diligence, Charlotte County, Florida

Project engineer on the due diligence investigations for Charlotte County's acquisition of the Burnt Store and Deep Creek water and wastewater utilities. Responsibilities included evaluating wastewater treatment plant facilities and potential permit issues requiring future capital expenditures.

Deep Creek Master Lift Station Design, Charlotte County, Florida

Completed a planning analysis of the Deep Creek community and it's over loaded wastewater collection and pumping system and developed a concept for improving the reliability of wastewater transmission. Project included the design of a triplex wastewater master lift station with a design flow of 3.8 MGD.

West Port WRF Permit Renewal, Charlotte County, Florida

Prepared the capacity analysis report and the permit applications for the renewal of the 1.2 MGD West Port WRF.

Reuse Master Plan Charlotte County Utilities, Florida

Project manager for a comprehensive reuse water master plan for central and west Charlotte County. Plan identified potential reuse application sites, projected the reuse demand for each site, evaluated the potential to supply reclaimed water to the sites and developed an infrastructure concept to interconnect the west and central reuse systems to improve availability of reuse water.

* denotes projects completed with other firms

Joseph R. Greeley PE

Principal

Biosolids Dewatering and Disposal Plan, Charlotte County, Florida

Provided planning assistance to utility for the development of options for dewatering and disposal of biosolids. Provided range of costs of alternates, established meetings with potential regional partners, summarized and presented overview of proposed changes in biosolids regulations that would impact future disposal alternatives. Developed an interim plan to dewater and dispose of biosolids while long term plan was being evaluated.

West Port Water Reclamation Facility, Charlotte County, Florida

Chief designer for a 1.2 million gallon per day wastewater treatment plant. The plant was designed with fine mesh rotary headworks screens, conventional activated sludge biological treatment, and fabric media filters to produce a public access reuse quality effluent. An eight million gallon effluent storage pond holds reuse water during the summer for use in the dry winter months.

Shore Road Water Distribution System Design and Construction, Nokomis, Florida

This project involved the design and construction of over 19,000 feet of water distribution mains and 250 water service connections in the Nokomis area. Responsibilities included oversight of Stantec's contract with the Sarasota County for the work and daily supervision of Stantec's project manager for the project. This project was completed on time and under budget.

Bay Point Water Distribution System Design and Construction, Nokomis, Florida

This project involved the design and construction of over 31,000 feet of water distribution mains and 520 water service connections in the Nokomis area.

Mr. Greeley was the project manager responsible for the design and oversight of Stantec's contract with the Sarasota County for the work and daily supervision of Stantec's project manager for the project. Directly interfaced with the Contractor's principal owner to resolve issues and keep the contract moving ahead without impacting County utility project managers.

Long Bow Trail Water Main Extension, Sarasota, Florida

Project manager for the design of approximately 7,000 feet for eight (8) inch and 6-inch water main to serve a residential community in the Osprey area of Sarasota. The project included directional boring under two roadways to reduce impact to road surfaces and along a residential property side yard utility right-of-way to eliminate the impact to trees.

Olga Water Plant Potable Water ASR System Design, Lee County, Florida

Senior project manager for the design of the Olga potable water ASR system expansion. The design included eight ASR wells with four to be installed in the first phase (3MGD) and an additional four in later phases. Design included, water piping, modeling of total future flow and instrumentation/ telemetry systems.

Water Distribution System Model, Charlotte County, Florida

Senior project manager in charge the supervision of computer modelers involved in the creation of a water model for Charlotte County Utilities water distribution systems in central, west and south areas of the County. Work included calibration, demonstration and training on the model.

Telemetry (SCADA) System Master Plan, Charlotte County, Florida

Project manager responsible for the development of telemetry system master plans for all water and wastewater facilities in Charlotte County. The master plan evaluated existing radio telemetry systems, as well as, cell telemetry technology and dedicated spread spectrum telemetry. Master plan also evaluated existing system computer hardware and software to develop maximum flexibility for current and future telemetry technologies

Chloramination Facility Design Rotonda Booster Station, Charlotte County, Florida

Senior project manager for the design of liquid hypochlorite storage and pumping and gas ammonia feed system for chloramination of potable water at a five million gallon water storage and booster pumping facility. System included flow and residual paced chemical feed system.

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Contract Manager - Utility Engineering



Mr. Brockmeier has both civil and environmental engineering experience in the private and public sectors. His professional skills include project management, preliminary/ conceptual design, permitting, system modeling, final design, cost estimating, bidding, and construction-phase services. He participated in the design and implementation of various stormwater, potable water, sanitary sewer systems and solid waste facilities, which included permitting from federal, state, and local regulatory agencies. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, Florida State University, Tallahassee, Florida, 1995

REGISTRATIONS

Professional Engineer #25147, State of Alabama

Registered Engineer #56859, Florida Board of Professional Engineers

PROFESSIONAL ASSOCIATIONS

Tallahassee Branch, Past President 2005, American Society of Civil Engineers

Membership Committee, Young Member's Committee, Engineer's Week Committee, American Society of Civil Engineers

Education Committee, American Public Works Association

Past Chairman, 1999, American Public Works Association

AWARDS

2001 Florida Engineering Society, Big Bend Chapter, Young Engineer of the Year

1998 American Society of Civil Engineers, Big Bend Chapter, Young Engineer of the Year

PROJECT EXPERIENCE

Horn Island Housing Triplex and Utilities Replacement, Jackson County, Mississippi (Principal-in-Charge)
Responsible for overall client interface and project and team management. This design/build contract entails the replacement of National Parks Service Ranger residences and corresponding utilities on Horn Island that were destroyed by Hurricane Katrina. As part of the Gulf Islands National Seashore, Horn Island is located approximately 12 miles off the coast of Ocean Springs, Mississippi and is accessible only by boat. \$137,000

Cobb County Water System, R.L. Sutton Wastewater Reclamation Facility*, Georgia (Project Engineer)
Responsible for the mechanical design of a new influent lift station for this 60-mgd liquid process treatment facility. Design provides firm pumping capacity of 160-mgd with any four pumping units in services. \$N/A

Eastpoint Water Distribution and Vacuum Wastewater System Expansion, Franklin County, Florida (Principal-in-Charge)
Responsible for overall client interface and project and team management. Stantec provided engineering design, permitting, and construction administration services for improvements to Eastpoint's water distribution system and new water treatment plant, as well as for its aging vacuum sewer collection system and pump stations. \$375,000

Bay County Board of County Commissioners, Steelfield Road Landfill Cell*, Bay County, Florida (Environmental Engineer)
Responsible for the design, permitting, and construction administration for an 8-acre Class III infill cell. \$N/A

* denotes projects completed with other firms

Chris E. Brockmeier P.E.

Civil Engineering, Principal

Talquin Electric Cooperative, Water & Wastewater Improvements*, Leon and Gadsden Counties, Florida (Project Engineer)

Responsible for the design, permitting, and construction services of various water and wastewater system expansions. Water improvements included the expansion of potable water systems within two North Florida counties that included water main installations, elevated storage tank, well installation, and booster pump stations. Wastewater improvements included expansion of existing land application systems and slow rate infiltration ponds. \$N/A

City of Tallahassee, Southeast Farm*, Leon County, Florida (Project Engineer)

Assisted in the final design and construction oversight services for the City of Tallahassee, Southeast Farm expansion. Participated in the expansion of the reclaimed water application facility that included the upgrade of the existing pump station, installation of 12,000 feet of piping, three large irrigation pivots, and specialized screening equipment. \$N/A

Leon County Public Works, Gum Swamp Restoration Project*, Leon County, Florida (Project Manager)

Responsible for the construction administration of a design that involved the installation of several large concrete box culverts and adjacent dike system that provided necessary stormwater retention to re-hydrate the Gum Swamp wetlands. \$N/A

Leon County Public Works, Lake Munson Restoration Project*, Leon County, Florida (Design Engineer)

Provided civil engineering support for the design, permitting, data collection, stormwater modeling, construction administration, specification, and plans preparation on this \$6 million lake restoration project. \$N/A

Leon County Public Works, Harbinwood Estates/Lake Charles Flood Mitigation Report*, Leon County, Florida (Project Engineer)

Responsible for the modeling team to address surrounding residents flooding problems that occurred in the Harbinwood Estates/Lake Charles Stormwater Basin. Preliminary design solution included the replacement of a failed dam and the installation of numerous channel and closed conduit improvements within the primary stormwater drainage system. \$N/A

Leon County Public Works, Killlearn Acres Flood Mitigation Report & Stormwater Improvements*, Leon County, Florida (Project Engineer)

Responsible for the modeling and design teams to address surrounding residents flooding problems that occurred in the Upper Lake Lafayette Stormwater Basin. Preliminary design included the installation of large series of box culverts at five roadway crossings and associated channel stabilization within the primary stormwater drainage system. \$N/A

City of Panama City, Watson Bayou and Robinson Bayou, Stormwater Mitigation*, Bay County, Florida (Project Engineer)

Responsible for modeling, preliminary design, and cost estimates to address flooding problems. Preliminary design solution included the replacement of failed culverts and the installation of new conduits and stormwater management facilities. \$N/A

NPDES Sampling for Leon County Public Works, Leon County, Florida (Principal-in-Charge)

Responsible for overall client interface and project and team management. Leon County Public Works conducted NPDES sampling to meet EPA permit requirements. Stantec was retained to initiate a long-term monitoring plan to collect and analyze surface water at the Ben Stoutomire Boat Landing, Black Creek, Gum Creek, Lake Henrietta, Lake Lamonio, and Lake Munson. \$92,000

Florida Department of Management Services, Capital Circle Office Center*, Leon County, Florida (Design Engineer)

Responsible for the Phase II addition that involved the site development of a 50-acre parcel in Tallahassee. Project infrastructure design included roadway, parking layout, stormwater collection and treatment, potable water distribution, and wastewater collection system. Assisted in the permitting and construction oversight and supervised staff in the preparation of construction plans, specifications, and permit applications. \$N/A

* denotes projects completed with other firms

Christopher L. Rosenboom PE

Project Engineer, Utility Engineering



Mr. Rosenboom is a civil engineer with six years of experience in utilities and stormwater design. His project experience includes lift station, master pump station, force main, and water distribution design; hydraulic analysis, permitting, and construction services. He has developed a high level of familiarity with various hydraulic and hydrologic modeling software, including WaterGems, SewerCAD, H2O Net and ICPR. His previous experience as an employee with Sarasota and Manatee counties included responding to stormwater-related customer service requests, reviewing both water and wastewater designs for new developments, including any required hydraulic modeling in WaterCAD and lift station calculations. All dollar values are representative of fee.

EDUCATION

BS - Civil Engineering, University of South Florida,
Tampa, Florida, 2003

Leadership Sarasota County Class of 2010, The Greater
Sarasota Chamber of Commerce, Sarasota, Florida,
2010

REGISTRATIONS

Professional Engineer #68359, State of Florida

PROJECT EXPERIENCE

Siesta Key AWWTP Repairs and New Master Pumping Station- Preliminary Design Report, Sarasota, Florida
Project engineer for the preliminary design study and report detailing the decommissioning of the Siesta Key AWWTP and replacing it with a master pump station and force main that will convey wastewater flows to the mainland, into the County's infrastructure along Lockwood Ridge Road. Responsibilities included the integration of five SewerCAD models into a single system model with over 50 pump stations. Efforts included developing and modeling seven scenarios to confirm sizing of over 32,350 feet of new 20-inch pipeline and the pumping requirements for a 3,900 gpm triplex pump station. Project engineer was also responsible for the Siesta Key force main and Lockwood Ridge Interconnect force main route alignment and above ground flow diversion assemblies. Report outlined four capital improvement projects totaling over \$15M in construction costs, that once operational will reduce the County's surface water discharge and increase countywide beneficial reuse. \$1.5 million

Meadowood Master Pump Station and WRF, Sarasota, Florida

Project engineer for the design of new 1,200 GPM 40Hp triplex master pump station and the design of an interim rehabilitation improvements to the existing duplex lift station. The rehabilitation included provisions for maintenance of flow during the construction and staging requirements for continued operation during construction phase. The design also included a new power supply, standby generator, and flow measurement equipment. \$343,000

Rotonda Villas and Springs, Charlotte County, Florida

Project engineer for new low pressure sewer system including two lift stations and force main construction. Responsibilities included building a hydraulic model of the low pressures system using SewerCAD which included the impact on existing force mains from the master pump station to the treatment plant that was seven miles away. \$7 million (construction only)

Waterway Estates Fluoride Injection System, Lee County, Florida

Project Engineer responsible for construction engineering and inspection of a fluoride injection system at an existing water treatment facility. The project included day and bulk chemical tanks, feed pumps, instrumentation, process piping and valves, and safety station. \$N/A

Master Lift Station 1A Upgrade, Fort McMurray, Alberta

Project engineer responsible for hydraulic modeling and master lift station design tasks for the upgrade of an existing lift station from 450 l/s to approximately 850 l/s. The SewerCAD model allowed for a phased construction plan to successfully integrate the lift station upgrade with a separate phased force main construction project. The station upgrade involved going from a duplex pump configuration to a quadplex configuration. \$N/A

* denotes projects completed with other firms

Christopher L. Rosenboom PE

Project Engineer

Red Deer South Leg Sewer Collection System, Reed Deer, Alberta

Project engineer responsible for flow prediction/analysis, hydraulic and transient modeling and master lift station design tasks for a regional sewer transmission system collecting wastewater flows from multiple smaller towns south of the city of Red Deer and sending them north to a common wastewater treatment facility at Red Deer. The multi-phase project includes approximately 56 miles of gravity and transmission mains ranging in size from 16-inch to 30-inch and four master pump stations with maximum flows ranging from 3,200 to 6,300 gpm. The finished SewerCAD model included sections of both force main and gravity main (including multiple inverted siphons) to maximize the efficiency of the system. \$N/A

University Well Field Water Treatment Plant Rehabilitation, Sarasota, Florida

Staff engineer responsible for various design tasks assigned by the project manager. This project involved miscellaneous improvements for a 3 MGD Water Treatment Plant including new PH control and hydrogen sulfide stripping, a new sanitary collection system, driveway improvements, and stormwater improvements. Specific tasks included the design of (2) new grinder lift stations and the design of a dry-detention pond for stormwater.

University Well Field Treatment System, Sarasota, Florida

Staff Engineer responsible for various design tasks assigned by the project manager, including the design of two (2) new grinder lift stations and the design of a dry-detention pond for stormwater.

Meadowood WRF Decommissioning, Sarasota, Florida

Staff Engineer for demolition of an existing wastewater treatment plant and design of a triplex master lift station and a 14-inch offsite force main to convey flows offsite for treatment. Specific responsibilities included design calculations for pump selection and sizing of the lift station, onsite determinations for locations of new facilities, and coordination of the production of construction plans.

Nokomis Water Main Revitalization Project, Nokomis, Florida

Staff Engineer for the re-design and for the construction services portion of an open-cut design of approximately 100,000 LF of new water mains ranging in size from 4-inch to 12-inch that are now being installed by directional drill.

East Port Master Re-pump Station, Charlotte County, Florida

Project engineer responsible for various design tasks assigned by the project manager. The project was designed as a solution to an overburdened master lift station serving the Deep Creek area. Specific tasks included building a model of existing system using SewerCAD, developing lift station calculations and pump curves, and coordinating with Charlotte County to collect existing record drawing and survey information.

Lift Station Rehabilitation, Sarasota County, Florida

Staff engineer responsible for various design tasks assigned by the project manager. This project is based on a continuing-services agreement in which multiple lift stations have been prioritized by Sarasota County for rehabilitation. All designs conform to current Sarasota County standards. Design tasks include new site layout, design calculations for the selection of new pumps, wet wells and controls, design of new above ground valve assemblies, preparation of construction specifications and performing draw-down tests on each station.

Siesta Key / Casey Key Water Main Interconnect Preliminary Design, Sarasota County, Florida

Project Engineer responsible for hydraulic modeling in WaterGEMS, field investigation, and preliminary plan layout for approximately 4000-ft water main creating a loop between dead-end water mains at the north end of Casey Key to and the south end of Siesta Key in Sarasota County. The water main route included a 2800-ft directional drill underneath the proposed Midnight Pass.

Central Nokomis NE Water Distribution System, Nokomis, Florida

Project Engineer for a design of approximately 19,000 LF of new water mains serving 175 homes in the Nokomis, FL. The design included multiple directional drills under canals, existing storm infrastructure, and roadways. Specific responsibilities included onsite determinations of service locations, building a hydraulic model in WaterGEMS of the proposed and existing system to ensure adequate fire flow capabilities, coordination of the production of construction plans, and bidding services.

* denotes projects completed with other firms

David W. McAnaney PE

Associate, Utility Engineering



Mr. McAnaney has over thirty five years of professional and technical expertise in the design and construction review of environmental infrastructure. His diverse background includes design of water treatment, pumping, supply, storage & distribution, and wastewater collection, pumping & treatment facilities; project management and technical articles & workshops on wastewater treatment process design. Linear infrastructure project design includes directional drill of water mains and sewage force mains up to 14-inch diameter, and hot tap connections to mains up to 30-inch diameter. All dollar values are representative of fee.

EDUCATION

BS - Civil Engineering, Ohio State University, Columbus, Ohio, 1964

MS - Civil Engineering, Ohio State University, Columbus, Ohio, 1966

REGISTRATIONS

Professional Engineer #58855, State of Florida

PROFESSIONAL ASSOCIATIONS

Member, American Society of Civil Engineers

PROJECT EXPERIENCE

University Well Field 3 MGD Water Treatment Plant Upgrade, Sarasota County, Florida

Project Manager and Chief Designer for this water treatment plant upgrade, including new pH control and hydrogen sulfide stripping facilities. Design included improvements to site access by chemical delivery truck and new sanitary facilities. \$N/A

Regional Reuse, Storage, and Wet Weather Disposal System, Charlotte County, Florida

Project Engineer responsible for the mathematical model, design report, and preparation of plans for the interconnect pipe between the Rotonda WRF and the West Port WRF. The 12-inch diameter interconnect pipe design included directional bores under two canals and one major divided highway. This interconnect also allows the transfer of reuse water that is produced by the Rotonda WRF to be stored at the 12 million gallon storage ponds at the West Port WRF for future distribution use. \$N/A

Meadowood Master Pump Station and WRF Decommissioning, Sarasota, Florida

Project Manager and chief designer for the design of new 1,200 GPM 40 Hp triplex master pump station and the design of an interim rehabilitation of the existing duplex site lift station. He oversaw all design analysis, contract document preparation, and permitting requirements. The initial design concept, which was also completed by Stantec, involved design of a completely new triplex lift station along with analysis of the 24-inch force main and plans for a 12-inch HDPE, decommissioning of the existing WRF. \$N/A

Deep Creek Force Main from Master LS #309 to East Port WRF, Charlotte County, Florida

Mr. McAnaney was the chief designer for the regional lift station and force main network, and for the plans 16-inch and 12-inch diameter force main from Charlotte County Lift Station #309 to the East Port WRF. The force main route is very restrictive, with a narrow utility corridor containing existing linear infrastructure. Connections are provided in five locations along the force main route for future integration of the force main into the network of lift stations defined by the hydraulic model of the sewage collection system for the Deep Creek area. \$N/A

Rehabilitation of Lift Stations No. 2, 8, 9 & 17*, City of Sarasota, Florida

Project manager and chief designer for the design of rehabilitation of four master lift stations. The lift stations varied in size from 700 GPM to 1600 GPM and included demolition, site work, structures, electrical, HVAC, odor control, submersible pumps, back-up diesel pumps, and controls. Responsibilities included lift station design and layout, equipment selection, hydraulic analysis, permitting, preparation of public presentation materials, development of contract documents, and the development review committee required documents. \$N/A

* denotes projects completed with other firms

David W. McAnaney PE

Associate

Lift Station 1A and 1B, Sarasota, Florida

Project Engineer responsible for the process design of lift stations 1A and 1B. Lift station 1A presently has two 320 HP drywell mounted sewage pumps. The rehabilitation design will add two additional 470 HP drywell mounted, VFD driven sewage pumps to augment present flows. Lift station 1B presently has only two (2) 20 HP submersible sewage pumps. These will be replaced and augmented with four 165 HP submersible pumps to bring lift station 1B to its full potential. Responsible for the equipment selection, and process and piping design and layout. Also responsible for the process plans and specifications, and coordination with structural, electrical, and HVAC disciplines. \$N/A

Sewer System Expansion*, Thomaston, Maine

Project manager for the design of sewers for a new service area. Design included implementing computer spreadsheets for all design elements of the system. \$N/A

Wastewater Treatment Plant*, Dexter, Maine

Project engineer for technical design of sewage pumping stations, treated wastewater storage lagoon and spray irrigation system. Design included computer program development for a mathematical model of the spray irrigation system. This model facilitated many design changes required by marginal soil conditions found on the spray site. \$N/A

Wastewater Collection and Treatment*

Project manager for design and construction administration for the sewer system, pumping station and wastewater treatment plant for this unsewered community on the Connecticut River. Treatment was an aerated lagoon facility with onsite generation of sodium hypochlorite for disinfection. \$N/A

Wastewater Collection and Treatment*, New Hampshire

Project manager for the rehabilitation of the Deer Street and Mechanic Street lift stations which handle all of the wastewater from this seacoast New Hampshire city. Project manager for a tidal inflow study to eliminate a significant portion of the sewer system inflow. Project manager for development of plans and specifications for the implementation of secondary treatment at the existing 4 MGD Pierce Island facility. Project included an intensive archeological study of this historically sensitive site. \$N/A

Deep Creek Pumping Alternatives Study, CCU, Charlotte County, FL

Project engineer for report preparation to evaluate alternatives for a three phase lift station rehabilitation and force main improvements program for Deep Creek in Charlotte County, Florida. \$N/A

Pumping Station Rehabilitation, CCU, Charlotte County, Florida

Prepared designs for repair of six wastewater lift stations, in place. Work included wet well lining, above ground valves to avoid confined space entry, control panel, RTU, and emergency connections. \$N/A

Water Meter Replacement Program, Sarasota, Florida

Project Manager for the design and construction services for the replacement of existing water meter assemblies with new meters, valves, and backflow preventers as required for fully functional meter assemblies at each of the 40 locations throughout the county. The original meter assemblies were installed by a private utility company. When the utility company was acquired by Sarasota County Utilities, meter assemblies that did not meet County standards were upgraded to eliminate deficiencies. \$N/A

North Port Water Distribution System, North Port, Florida

Design and construction services for three and a half miles of new water mains, including three waterway crossings up to 14-inch diameter and up to 1,500 ft. long by directional drill. \$N/A

Siesta Key-Casey Key Water Main, Sarasota, Florida

Project manager for a feasibility study of a 3,000 LF 12-inch diameter directional drill water main to complete a reconnection of the water systems of these two communities in Sarasota County. \$N/A

Nokomis Area Water Distribution System, Nokomis, Florida

Engineer of Record for 30 miles of water mains for this new county water service area in Sarasota County. Services included design of 12-miles and construction services for the entire 30-miles. Five separate projects include 100,000 LF of HDD up to 14-inch diameter and hot tap construction to existing water mains up to 30-inch diameter. \$N/A

* denotes projects completed with other firms

Jeffrey J. Basiaga PE

Electrical Engineer, Utility Engineering



Mr. Basiaga has ten years of diverse experience in the development and execution of engineering activities for clients in the commercial, industrial, utilities, mining, communications, and municipal consulting sectors. He is comfortable on a team contributing electrical engineering knowledge for new designs, and a proven value adder during improvements, retrofits, and remodeling.

For new system engineering, he draws on knowledge gained through project experience, a network of professional colleagues, and vendor technical information. For existing systems engineering, he relies on the method of analysis, surveying, and offering options correct for safety, function, and budget.

Core contributions can be summarized as electrical engineering drawing preparation and design leadership, system analysis, and surveying. Related contributions summarized as preventative maintenance, performance engineering programs, instrumentation & controls, mechanical, process, and civil systems. Mr. Basiaga has recently made application to IEEE Senior Membership based on 10 years of growth in the electrical engineering community.

EDUCATION

Bachelor of Science, Electrical Engineering, University of Miami, Miami, Florida, 1998

Florida Building Code Administrative Core, Tampa, Florida, 2010

Anclote Power Plant Motor Control Center Upgrade
Provided engineering services to design team for the replacement of MCC, and prepared and handled prints/documentation in accordance with plant standards.

Washington Mutual Bank*, St. Petersburg, Florida (Electrical Engineer)
Performed lighting design and photometric analysis for parking lot.

REGISTRATIONS

Professional Engineer #63005, State of Florida

Memorial Medical Suites*, Tampa, Florida (Electrical Engineer)
Power, lighting, and systems equipment design and specification for shell; Subsequent tenant in-fill designs followed.

PROFESSIONAL ASSOCIATIONS

Member, Institute of Electrical and Electronics Engineers

Avila Fitness Center*, Lutz, Florida (Electrical Engineer)
Lighting, power, and system designer for 6500 sq. ft. luxury fitness center. Tasks included specification of electrical distribution equipment, light fixtures, and fire alarm.

PROJECT EXPERIENCE

Charlotte County Utilities, Port Charlotte, Florida
Electrical Design Engineer for approximately 25 wastewater lift stations, with variances on a prototypical design that included: inclusion of a generator, motors/pumps of varying size, service voltage challenges, and terrain.

Dellagio Plaza*, Orlando, Florida (Electrical Engineer)
Electrical Design Engineer for Master Plan composed of 9 Buildings, parking garage and surrounding site; Taught Junior Engineer how to design building shells for future expansion and advised on metering, grounding, lighting, and other considerations unique to a facility of this level of complexity.

Wastewater Treatment Plant Engineering Services, Plant No. 011885, Citrus County, Florida (Electrical engineer)
Re-engineered plant to maintain FDEP permit for one additional cycle. The additional time allowed the client to decommission the plant in a time frame that was cost effective.

Tampa International Airport*, Tampa, Florida (Electrical Engineer)
Review team member for electrical equipment submittals ensuring design standards & specifications were met.

* denotes projects completed with other firms

Jeffrey J. Basioga PE

Electrical Engineer

Chalk Point Power Plant*, Aquasco, Maryland (Electrical Engineer)

Performed lighting and power design for plant SCR expansion; included UPS, equipment power, and platform lighting design with photometric study.

Microflex Industries*, Flagler, Florida

Power and lighting design of a new manufacturing facility and administration office. Assisted Junior Engineer with design criteria and application of Electrical Code.

TECO Big Bend Power Plant*, Apollo Beach, Florida (Electrical Engineer)

Performed rerouting for power and control cables under FGD Reliability project;. Provided electrical engineering consulting services to increase reliability of plant operations; Prepared and handled prints and documentation in accordance with plant standards. Coordinated with plant personnel, vendors, and consultants as required.

Delta Power Plant*, Brooksville, Florida (Process Engineer)

Redesigned pipe valves on fuel oil line(with No.2 fuel) to save pump from deadheading to failure. New system utilized a high pressure bypass and resulted in reliability in system critical to cogeneration activities.

September 11, 2001 Aftermath* (Field Engineer)

Design and constructed temporary communications system for >40 interagency use.

America Online "AOL", Manassas, Virginia* (Field Engineer)

Designed in-building repeater system to expand cellular coverage to building interior.

Channel 62 Transmitter Station*, Brandon, Florida (Electrical Engineer)

Electrical Engineer of record for back up power system of a television transmitting station.

Progress Energy Pipeline*, Pinellas County, Florida (Electrical Engineer)

Assembled Operations & Maintenance Manual for RF based fuel oil pipeline leak detection system

Clay County School Board*, Clay County, Florida (Electrical Engineer)

Challenged Standard specification for a Lift Station backup generator and realized capital cost savings of ROM 50% Project Value. Made revisions to county purchasing standards that resulted in cost savings to equipment and no decrease on performance.

Gregg Industries Cement Plant*, Leesburg, Florida (Electrical Engineer)

Performed electrical bill analysis with plant manager and Electrical Utility representative. Findings resulted in a credit to the plant equal to approximately a months kW usage.

Bell High School Generator Installation*, Gilchrist County, Florida (Electrical Engineer)

Re-engineered building electrical distribution system that resulted in dual use capability of existing school building. The result enabled Gilchrist County EMS to have a centralized space for county residents on life support machines in an sustained power blackout or hurricane event. Responsibilities included building survey, specification of generator, reconfiguration design of building electrical system.

* denotes projects completed with other firms

Robert J. Halbach PE

Senior Project Manager, Civil, Utility Engineering



Mr. Halbach offers civil engineering expertise with a strong emphasis in utility projects including potable water supply, treatment, storage, and distribution; wastewater collection and treatment; and effluent reuse. His background includes feasibility studies, backbone infrastructure master planning, preliminary and final engineering, permit applications, specification of materials and equipment, and construction contract administration. All dollar values are representative of fee.

EDUCATION

Bachelor of Science, Civil Engineering, Michigan Technological University, Houghton, Michigan, 1983

*Phillippi Creek Septic System Replacement Program, Phase 2 Surveying
Cattlemen Road Phases 3 and 4 Utilities Construction
>\$200,000*

REGISTRATIONS

Professional Engineer #40139, State of Florida

Sarasota County Continuing Services Contract #97-152 for Miscellaneous Utility Projects, Sarasota County, Florida (Project Manager)

PROFESSIONAL ASSOCIATIONS

Member, National Society of Professional Engineers

*Responsible for this three-year renewable contract.
Projects of note include:*

Member, American Society of Civil Engineers

*Clark Road Water Transmission Main
Ibis Street and Various Reuse Main Extensions
Proctor Road/Honore Avenue Force Mains
Ark Plaza and Nokomis Village Shops, Lift Station Replacements
Sarasota County/Manatee Interconnect Metering
Meadowood WWTP Capacity Analysis Report
Meadowood WWTP Modification, Filter Addition
McIntosh Road Water Main Record Survey
Reuse System Water Balance Study
Serenoa Irrigation Lake Modifications
Bee Ridge Force Main Network Analysis
Clark Road Water Transmission Main Extension
K-Mart Lift Station Replacement
Bee Ridge/Atlantic Force Main Network Modifications
Northwest Bee Ridge Repump Station Modeling/Design
Longwood Run Force Main Survey Monumentation
Meadowood Collection System Analysis
Various Topographic Surveys
>\$200,000*

Member, Florida Engineering Society

PROJECT EXPERIENCE

Sarasota County Continuing Services Contract #99-253 for Miscellaneous Utility Projects, Sarasota County, Florida (Project Manager)

Responsible for a three-year renewable contract.

Projects of note include:

*Reuse System On-Call Services
Clark Road Water Transmission Main Extension Construction Phase Services
Cattlemen Road Improvements Phase 4 Utility Expansion
Meadowood WWTP Hydraulic Analysis
Edmondson Road Water Main
Northwest Bee Ridge Repump Station Construction Phase Services
Bee Ridge/Atlantic Force Main Modifications Construction Phase Services
4968 Honore Avenue Septic Tank Replacement
DeSoto Road Force Main "A" Design
Edmondson Road Water Main Construction
DeSoto Road Force Main "A" Construction*

Sarasota County Continuing Services Contract #2005-433 for Miscellaneous Utility projects, Sarasota County, Florida (Project Manager)

Responsible for this three-year renewable contract.

Projects of note include:

*McIntosh Road Phase 2, Vacuum Sewer Addition to Bid Package
Siesta Bay Wastewater Modeling Analysis
Uniform Code Update Assistance
>\$200,000*

* denotes projects completed with other firms

Jonathan N. Davis PE
Project Manager, Utility Engineering



Mr. Davis has over five years of experience in the water/wastewater fields working on a variety of projects including treatment plant design, water system modeling, linear infrastructure and construction administration. His educational background includes soil erosion, groundwater/open-channel hydraulics, hydrologic design, and water chemistry.

EDUCATION

Bachelor of Science, Biosystems Engineering, Auburn University, Auburn, Alabama, 2002

Master of Science, Civil Engineering, Auburn University, Auburn, Alabama, 2004

REGISTRATIONS

Professional Engineer #032686, State of Georgia

PROFESSIONAL ASSOCIATIONS

Member, American Water Works Association

Member, Georgia Society of Professional Engineers

Member, National Society of Professional Engineers

AWARDS

2003 Gamma Sigma Delta Honorary

PROJECT EXPERIENCE

Vienna Industrial Park Lift Station, Vienna, Georgia (Project Manager)

Oversaw construction administration and project close-out of 2-pump lift station serving a new industrial park.

Leguin Mill Water Reclamation Facility, Henry County, Georgia (Project Engineer)

Project engineer during the first phase of the Leguin Mill Water Reclamation Facility. The initial phase design was developed to serve a 2,250 customer subdivision and a second design phase will expand the first phase infrastructure to 4.0 MGD. The initial phase is designed to use sequential batch reactors (SBR's) for pretreatment and will attain levels of 30 ppm for BOD(5), 30 ppm for TSS and 8 ppm for Total N prior to land application.

The second phase will consider membrane technology for further reduction of constituents for indirect use of treated effluent. More stringent treatment is required in the second phase because the direct discharge will be four miles upstream.

Woodstock Overlook Sanitary Lift Station, Woodstock, Georgia (Project Designer)

Designed sewage lift station to service 300 unit subdivision. Project duties included existing and proposed sewage flow estimation, design of wet well, pump sizing, site planning and coordination with electrical subcontractor.

Smurfit-Stone Effluent Measurement, Jacksonville, Florida (Project Engineer)

Responsibilities included site survey, hydraulic calculations and a 60% design and alternative recommendations. Smurfit required a redesign of the flow measurement device. Previous history included a 100% recycled corrugated board mill which produced 5 to 6 MGD of treated effluent, some of which was sold to a neighboring power plant for use in cooling. A large parshall flume was originally used to measure discharge into a bay, before flow was sent to the power plant.

Academy Creek WPCP Aeration Basin Efficiency Study, Brunswick, Georgia (Researcher)

Conducted dye study on 8 MGD pure oxygen wastewater treatment plant to determine retention time of its aeration basins. Also sampled active basins for oxygen transfer efficiency indicators.

Blacksville Area Sanitary Sewer System Transfer, McDonough, Georgia (Project Engineer)

Responsible for the design and property acquisition issues involving the addition of sewer lines to transfer services from the City of McDonough to the Henry County Water and Sewerage System.

Evaluation of an Orifice Plate Flocculator, Towaliga Water Treatment Plant, Henry County, Georgia (Researcher)

Tested new flocculator design at plot scale. Responsible for collecting and analyzing data, verifying validity of design, and publishing a report on findings.

* denotes projects completed with other firms

Jonathan N. Davis PE

Project Manager

Academy Creek Water Pollution Control Plant Model, Brunswick, Georgia (Researcher)

Academy Creek WPCP is a 13.5 MGD treatment plant in Brunswick, Georgia. A computer model simulation of the plant revealed areas where improvements could be made, as well as an estimation of the remaining capacity of the plant. Responsibilities included assessing the growth of the surrounding County and City, interpreting results from the computer model, generating a full report and relevant charts and figures, and estimating remaining treatment and hydraulic capacities.

Patrick Henry Parkway 42" Sanitary Sewer, Henry County, Georgia (Project Engineer)

Project consisted of approximately 800 linear feet of aging, 36-inch concrete sanitary gravity sewer that would have to be replaced or reinforced due to a road being built above it which required over 35-feet of fill. Responsibilities included computing future sewage flow, strength calculations of existing pipe, as well as proposed pipe, design and layout of replacement sewer, and working closely with the client to provide the best possible solution.

FEMA Floodplain Map Update (DFIRM), Tifton, Georgia (Project Engineer)

Modeled 100-year floodplain and floodway for a section of the New River in Tifton County, Georgia. Provided updated model to FEMA for purposes of updating flood insurance maps. Used HEC-RAS and RiverCAD software to update existing HEC-2 models.

Tusahaw Transmission Main Phase II, Henry County, Georgia (Project Engineer)

Design and construction administration of six miles of 24" transmission main from the Tusahaw Water Treatment Plant to the distribution system. Produced construction documents, easement plats and specifications.

SR 155/Miller's Mill Water Main Relocation, Henry County, Georgia (Project Engineer)

Relocation of 16" and 12" water mains due to road widening project. Responsibilities included planning, design, bidding and construction administration.

City of Brunswick Water Model Calibration & Usage, Brunswick, Georgia (Project Engineer)

Calibrated and revised existing WaterCAD model of the City's water system. Work included fire flow testing of system, gathering of data, model revision and calibration using Darwin Calibrator. Regularly provided model-based solutions to client questions regarding system changes and operation.

Towaliga Water Treatment Plant Upgrade, Locust Grove, Georgia (Project Engineer)

Upgrade of a 20 MGD water treatment plant to 24 MGD. Responsibilities included renovation of sedimentation basins, flocculation basins and settled water trough. Installed new hydraulic flocculator, "plate" settling devices in the sedimentation basins, and new sludge removal system. Participated in 100% design/specifications and assisted in management of bid services for client.

Tusahaw 48" Transmission Water Main, Henry County, Georgia (Project Engineer)

A 73,000 LF 48" - 24" ductile iron main distribution line was added connecting a new treatment plant to the rest of the County. Responsibilities included revision of layout/design, erosion and sedimentation planning, preparation of take-off sheets and proposal, easement revisions, permitting, and answering bid questions.

Rate Study for Henry County Water and Sewerage Authority, Henry County, Georgia (Project Engineer)

Evaluated current water and sewer rates, composed report proposing new rates and structure based on state mandated principles. Helped formulate rates and write report.

Box Ankle Water Treatment Plant, Forsyth, Georgia (Project Engineer)

Assessed out-of-service 1.5 MGD water treatment plant for rehabilitation and re-starting. Responsibilities included documenting problems in existing facility, coordinating with project manager for proper course of action for rehabilitation, photographing problems, and a line-item cost estimation of the services and material estimated to return the plant to operable status.

* denotes projects completed with other firms

Theresa R. Carron

Engineering Designer - Utility Engineering



Ms. Carron provides valuable technical support for civil engineering, survey, environmental, and GIS projects throughout Florida. She is responsible for managing various projects for the Florida Department of Environmental Protection (FDEP). Her background includes technical writing, marketing, presentations, fiscal management, coordination, and scheduling. All dollar values are representative of fee.

EDUCATION

Bachelor of Arts, Business Administration, Flagler College, Saint Augustine, Florida, 2002

Professional Education Center, Project Management for Engineers, US, 2006

PROFESSIONAL ASSOCIATIONS

Member, American Public Works Association

AWARDS

2002 Departmental Award for The School of Business, Flagler College

PROJECT EXPERIENCE

Eastpoint Water Distribution and Vacuum Wastewater System Expansion, Franklin County, Florida (Task Manager)

Responsible for technical task coordination, permit preparation, and plans production. Stantec provided engineering design, permitting, and construction administration services for improvements to Eastpoint's water distribution system and new water treatment plant, as well as for its aging vacuum sewer collection system and pump stations. \$375,000

Gum Swamp Vegetation Evaluation, Leon County, Florida (Task Manager)

Responsible for plans production. Stantec conducted a study of the Gum Swamp area to determine the hydrologic impacts of the existing water level schedule on the restoration area within the swamp. The firm was contracted by the Leon County Public Works Department to review the existing monitoring and observational data collected by the County in the project area. \$12,500

NPDES Sampling for Leon County Public Works,, Leon County, Florida (Task Manager)

Responsible for oversight of sample collection and laboratory result submittals. Leon County Public Works conducted NPDES sampling to meet EPA permit requirements. Stantec was retained to initiate a long-term monitoring plan to collect and analyze surface water at the Ben Stoutamire Boat Landing, Black Creek, Gum Creek, Lake Henrietta, Lake Lamonía, and Lake Munson. \$92,000

Wakulla Landfill Water Main Design and Permitting, Wakulla County, Florida (CAD Designer)

Responsible for plans production. Stantec provided the design and permitting services for an approximately 1.20-mile extension of six-inch water main to provide water service and fire protection to the county landfill. \$9,135

West Ship Island Buildings and Utility Replacement, West Ship Island, Mississippi (Task Manager)

Responsible for oversight of preliminary survey activities. Provided design support and plans production. Acted as liaison to the National Parks Service, U.S. Department of Interior's Denver Service Center for digital submittal compliance. Produced and transmitted submittals for client comment. This design/build contract entails the replacement of NPS residences, ranger stations, first aid station, bunkhouse, public-access restroom facilities, concessions and corresponding utilities (water, sewer, fuel, electric, solar) on West Ship Island that were destroyed by Hurricane Katrina. \$232,000

Breakfast Point Mitigation Bank, Bay County, Florida (CAD Designer)

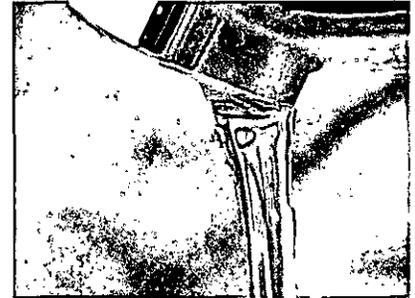
Responsible for plans production and assisted in the production of hydrologic reports and exhibit generation. The Breakfast Point Mitigation Bank (BPMB), which comprises 4,637 acres of wetlands and uplands primarily in silviculture on the Breakfast Point Peninsula, north of Panama City Beach, provides an option to mitigate impacts in freshwater and estuarine wetland systems in the West Bay to East Walton Regional General Permit and Ecosystem Management Area. Stantec successfully prepared the application documents to obtain the mitigation bank permitting, including developing the mitigation/restoration plan to restore wetland functions and habitats. \$183,500

* denotes projects completed with other firms

Section 2 – Specific Work Category - B. Experience

B. Experience with Projects of a Similar Type and Size

Water is one of our most precious natural resources. Effective management of this resource and its supporting infrastructure is critical to public health, economic development, and the long-term health of the environment. With a focus on resource renewal and sustainability, Stantec applies knowledge and technology to deliver and manage water and wastewater solutions.



Services we provide include:

- Wastewater Collection/Transmission
- Alternative Cost Evaluations
- Operational Permit Renewals
- Water Distribution System Design
- Water Transmission & Pump Stations
- Wastewater Effluent Disposal Design
- Lift Station Design & Upgrades
- Master Planning
- Infiltration/Inflow Studies
- Storage Facilities
- Existing System Analysis
- Electrical Services
- Deep Well Injection Renewal/MIT's
- Rate Analysis
- Bond/Annual Reports
- Computer Modeling
- Regulatory Permitting
- Operational Troubleshooting

These infrastructure solutions for water supply, conveyance, pumping, and storage are collaboratively developed from client needs, the solid foundation of our design experience, and our knowledge of specialized technologies such as asset and condition management, trenchless construction, computer modeling, wet weather flow management, and odor and corrosion control.

Stantec is an innovator of advanced water and wastewater process design and biosolids management, particularly in the areas of biological nutrient removal, membrane technology, ultraviolet disinfection, and ozonation. We gained this experience through our involvement in complex projects and investment in ongoing research. We deliver services throughout the infrastructure life cycle to public and private sector clients by an integrated team of professional local staff and recognized technical specialists.

Linear Infrastructure - From the water source to the sewer outfall and beyond, Stantec's Linear Infrastructure team delivers high quality engineering services throughout the project lifecycle.

Stantec's Linear Infrastructure team specializes in the planning, analysis, design, and management of all conveyance and control aspects of water, stormwater, and sanitary sewer system infrastructure.

Stantec's master planning and modeling services consist of supply and servicing studies, system evaluation and optimization, risk assessment, structural and programmatic capital improvement planning, steady-state and transient analysis of gravity and pressurized piping networks, hydraulic structure optimization, mixing and dispersion modeling, odor and corrosion analysis, and computational fluid dynamics.

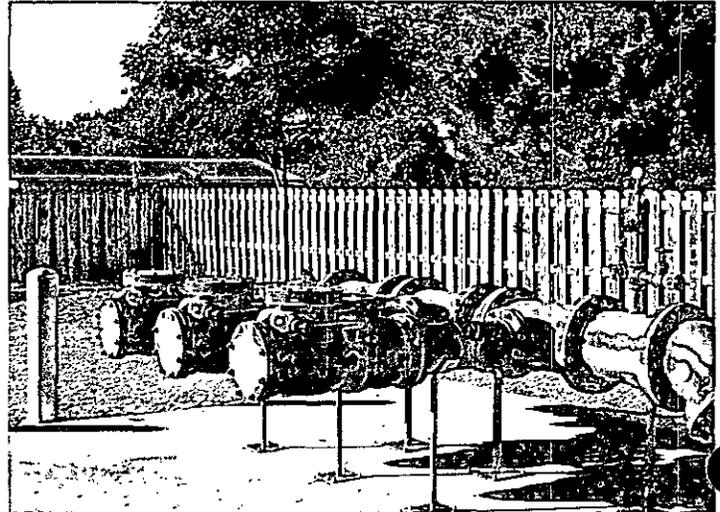
We achieve wet weather flow management through source control, system improvements that minimize sewer overflows, real time control, infiltration and inflow studies, and stormwater management.

Our infrastructure renewal and planning services include asset management, condition assessment, and priority planning. Stantec designs sewers, forcemains, transmission mains, pipelines, and all related pumping, storage, and fluid management facilities along the route, with particular specialization in trenchless technologies, river crossings, and underground system rehabilitation.



Eastpoint Water Distribution and Vacuum Wastewater System Expansion, Franklin County, Florida; Eastpoint Water & Sewer District, George Allen, 850.653.5691; Currently Ongoing

WilsonMiller Stantec provided complete engineering and permitting services for two major Eastpoint utilities projects funded by two separate government agencies. The Department of Community Affairs - Community Development Block Grant project provides an expansion to the potable water distribution and vacuum sewer collection systems in effort to improve water quality and fire protection, as well as provide central water and sewer service to previously unserved areas. The USDA Rural Development Project provides the construction of a new potable water supply well and treatment facility to lessen the withdrawal rate from two existing water supply wells and reduce the potential for chloride intrusion, as well as provide new treatment and pumping facilities to improve water quality and the level of service throughout the community. This project also provides the construction of two new vacuum sewer pump stations to replace the existing vacuum sewer pump stations that are approaching 40 years of service and are in a state of serious disrepair. In addition to the water and vacuum sewer facilities above, the USDA-RD project also provides for the construction of approximately 12,000 LF of vacuum sewer collection piping, 2,400 LF of new water distribution piping, and 1,800 LF of new sewer force main. Key staff: Chris Brockmeier, Principal; Theresa Carron, Task Manager; James Gerth, Engineering Design; Bob Halbach, Utilities Engineer; Steve Shaw, Ecologist.



Capacity Analysis Report and Permit Renewal 4 MGD WRF, Punta Gorda, Florida; City of Punta Gorda, Ed McCampbell, 941.575.3324; Completed 2006

WilsonMiller Stantec was selected by the City just five (5) weeks before the 4 MGD Wastewater Treatment Plant permit renewal application was due to be submitted to FDEP. During that time WilsonMiller Stantec mobilized three senior environmental engineers, who were also senior company managers, a staff engineer, and CAD technicians to review all past design reports, construction plans, and compliance reports for the facility. The team prepared a Capacity Analysis Report, Operation and Maintenance Performance Report, and permit application.

The team also summarized all past I&I work, developed a written biosolids land application protocol, and prepared a summary of all past reports and reviewed current effluent quality to update the evaluation for the use of reclaimed water from the facility. The WilsonMiller Stantec team worked closely with the City staff and state regulatory personnel to successfully complete the submittal on time. The permit submittal was so well organized and complete that only one request for information was issued. A single inspection was performed by FDEP and the permit was issued without need for time extensions. Key staff: Joseph Greeley, Principal; McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer

Our proposed Principal-in-Charge and Engineering Support personnel are part of the "preferred team" for the City of Sarasota and Sarasota County for utility engineering design.

Section 2 – Specific Work Category - B. Experience

City of Sarasota Sewer Mapping, City of Sarasota, Florida; City of Sarasota Public Works Utility Division, Dan Castorani, 941.365.2200; Currently Ongoing

Project manager for the development of a comprehensive sewer map for the City. The project created an updated series of over 100 maps in AutoCAD form, depicting sewer pipes, manholes, valves and lift stations. Lift station tributary areas were denoted and all pipe sizes were identified. The data for the system was set up in attribute form to allow for download and input into the City's ArcInfo/GIS system without duplication of effort.



Since 2005, WilsonMiller Stantec has been upgrading the v2 mapping to v3, which is intended to show the location and stationing of the sewer service taps, based on the City's best available information on a sewer by sewer basis. City information sources for the v3 mapping include QS linen mapping, Record Drawings, TV and manhole inspection reports, intersection drawings, and City repair records. The research required to methodically document the best available information for service taps and manhole locations is extensive and tedious, but WilsonMiller Stantec to date has produced v3 mapping on a prioritized basis for approximately 24% of the collection system: To continue the v3 mapping, WilsonMiller Stantec is currently identifying and transcribing service tap locations from Record Drawings of recent major projects, including Tuttle

Avenue Phases 1 and 2, the 1992 Woodruff project, the 1995 Kimmins project, and the 1992 Smally/Walford project. Key staff: Joseph Greeley, Principal; McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer

The Oak Ford Wastewater Treatment Facility project showcased our team's ability to think "outside" the box. We obtained a modified permit that allowed for intermittent discharges of the reuse holding pond into nearby drainage pond allowed us to maximize the land application of restricted access reuse quality effluent.

Oak Ford Wastewater Treatment Facility, Sarasota, Florida; Sarasota County Environmental Services, Mike Mylett, 941.861.0954; Completed 2010

When Sarasota County acquired the 31,700 GPD Oak Ford WWTP under a Consent Order for failure to meet compliance and permit limitations, time of was the essence. The assignment for WilsonMiller Stantec: evaluate the existing plant prior to acquisition, review future alternatives, assist County with FDEP negotiations prior to acquisition, and finally to modify the existing FDEP operating permit for construction of the recommended improvements.

While the Oak Ford facility is a small restricted access reuse treatment facility, many regulatory obstacles had to be overcome to facilitate the acquisition and permit modifications to ensure the County did not acquire a facility that was non-compliant and at risk of executive orders from the State. The compliance issues that the private facility faced prior to County acquisition:

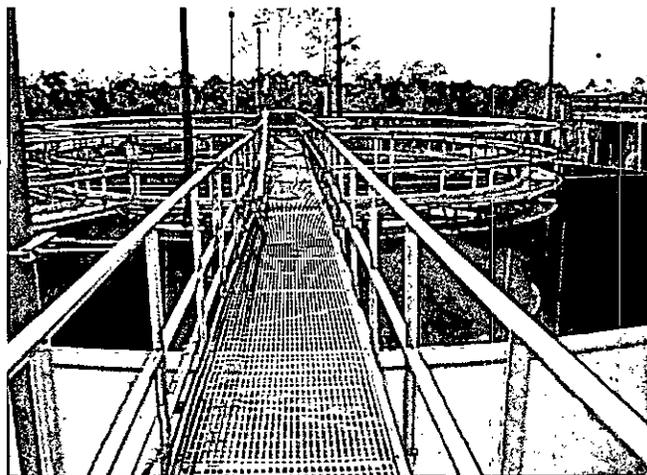
- Failure to meet effluent sample limitations for fecal coliform and total chlorine residual
- Observed hydraulic overloading of the facility
- Inoperable effluent disposal spray irrigation system
- Overgrowth around reuse storage ponds



- Overflow of storage facilities into stormwater systems
- Failure to provide reporting, documentation, and certifications
- Failure to complete corrective orders

Since the existing wastewater treatment plant was in disrepair, WilsonMiller Stantec had to develop alternatives to bring the facility into compliance prior to acquisition of the facility. WilsonMiller Stantec developed plans for decommissioning and recommended a new master pumping station and force main to direct flows to the Bee Ridge Resource Facility. Meanwhile, to satisfy the consent order, WilsonMiller Stantec moved forward with a near term solution, that involved modifying the current permit to allow for construction of a temporary effluent system.

WilsonMiller Stantec worked with county and state agencies to smooth and speed the permitting processes. A permit application to the FDEP was completed in three weeks, involving extensive coordination with the state agency through planning, permitting, construction and final closeout. WilsonMiller Stantec's ability to deliver on the County's priorities without compromising due regulation process proved to be a vital component to the success of this project. The modified permit allowed for intermittent discharges of the reuse holding pond into a nearby drainage pond. With this new permitted storage, the system was able to maximize the land application of restricted access reuse quality effluent. Key staff: Joseph Greeley, Principal; McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer.



Burnt Store Water Reclamation Facility

Regulatory Compliance, Compliance Contracts, Charlotte County Utilities; Charlotte County, James Huish, 941.764.4558; Currently Ongoing

In 2010, Charlotte County, Florida retained WilsonMiller Stantec to provide regulatory compliance services for both water and wastewater systems within Charlotte County. WilsonMiller Stantec is providing these services under a continuing services contract specifically developed for regulatory compliance. WilsonMiller Stantec began the work assignment with a comprehensive audit of the following facilities:

- Burnt Store Reverse Osmosis Water Treatment Plant (3.61 MGD)
- Burnt Store Water Reclamation Facility (0.5 MGD)
- East Port Water Reclamation Facility (6.0 MGD)
- Rotonda Water Reclamation Facility (2.0 MGD)
- West Port Water Reclamation Facility (1.2 MGD)
- Landfill Leachate Treatment Facility (0.150 MGD)

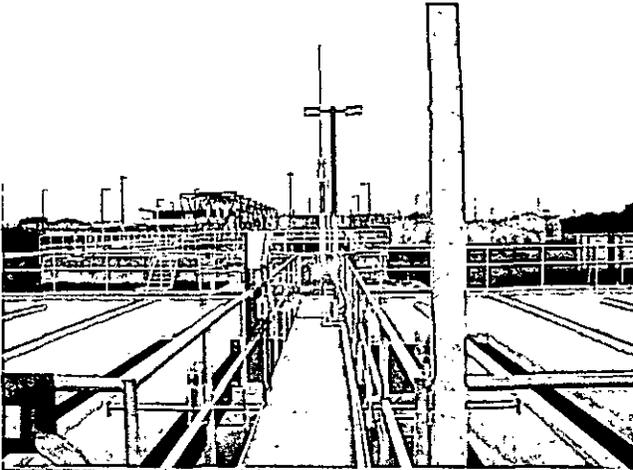
The facility audits included the following work items: review of monitoring reports, review of pertinent regulations, review of facility permits, review of regulatory records, and field inspections. Upon completion of the audits, a comprehensive compliance schedule was developed for Charlotte County with a regulatory road map that prioritizes compliance efforts and provides a consistent process for submission of all reports and correspondence with the FDEP and SFWMD.

Section 2 – Specific Work Category - B. Experience

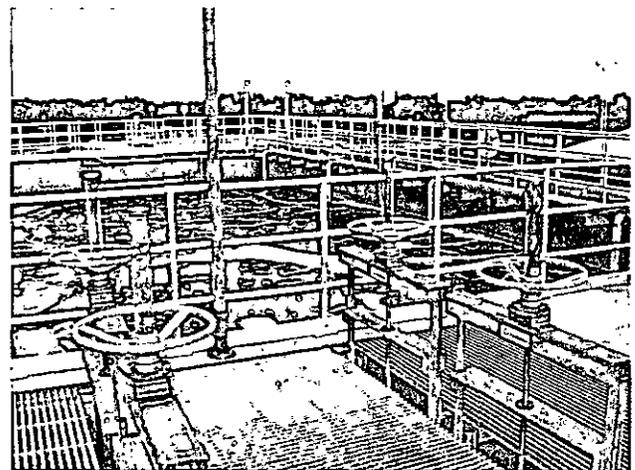
In addition to evaluating each facility, WilsonMiller Stantec recommended corrective actions to ensure the facilities are in compliance with each regulatory milestone. WilsonMiller Stantec coordinates all compliance tasks performed by Charlotte County and provides all communications with FDEP and SWFWMD. Other tasks performed under this contract:

- Annual Reuse Report
- Injection Well Permit Renewal, Annual Plugging and Abandonment Documents
- Injection Well Mechanical Integrity Testing (5 Injection wells)
- Water Reclamation Permit Renewals
- Water Treatment Facility Permit Renewals, Reclaimed Water Reports
- Wellfield Operation Report, Water Audit Reports

The progress of audits and regulatory requirements are summarized in quarterly reports to the Operations Group and the utility administration. Key staff: Joseph Greeley, Principal; David McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer



East Port Water Reclamation Facility



West Port Water Reclamation Facility

Capacity Analysis Report East Port and West Port Water Reclamation Facilities, Charlotte County Utilities; Charlotte County Utilities, Ron Aibel, 941.764.4300; Completed 2006

A Capacity Analysis Report was recently prepared by WilsonMiller Stantec to evaluate significant changes being contemplated to the overall CCU wastewater collection system. The capacity analysis report evaluated impacts on both the East Port and West Port Water Reclamation Facilities that would result from a transmission of wastewater from the central area of the County to the west area of the County to maximize use of existing plant capacity and provide reuse water to the area of greatest demand. Key staff: Joseph Greeley, Principal; David McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer



**Sarasota County Permit Renewals, Sarasota County Environmental Services;
Sarasota County, Verne Hall, 941.861.0501; Currently Ongoing**

In the past three years, WilsonMiller Stantec has prepared Sarasota County permit submittals for:

- Siesta Key AWWTF
- Venice Gardens WRF
- Oakford WWTP
- North Master Reuse System
- South Master Reuse System

WilsonMiller Stantec is currently working with Sarasota County on the negotiation of permit conditions for the North Master Reuse Permit and on modifications to the Siesta Key AWWTF permit conditions. Historical knowledge and intimate familiarity with the technical submittals of the permits are essential to conducting successful negotiations and protecting the interests of the County. WilsonMiller Stantec's past and current involvement in these permits provides significant value to the County in terms of cost, continuity of work and potential for positive outcomes. Key staff: Joseph Greeley, Principal; David McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer

WilsonMiller Stantec's team knows that Historical knowledge and intimate familiarity with the technical submittals of the permits are essential to conducting successful negotiations and protecting the interests of the County.

Sarasota County North Master Reuse System (SCNMRS, Wastewater Facility Permit Renewal, Sarasota County, Florida; Sarasota County Environmental Services, Verne Hall, 941.861.0501; Currently Ongoing

Sarasota County operates the North Master Reuse System (SCNMRS) under FDEP facility operating permit FLA1770008. This 11.0 MGD master reuse system utilizes reclaimed effluent from the Bee Ridge WRF and Central County WRF to provide Part III public access quality reuse to over 7,000 acres within the County that are generally north of Laurel Road. WilsonMiller Stantec provided consulting and oversight for the development of the SCNMRS FDEP operating permit renewal application in 2009.

This included:

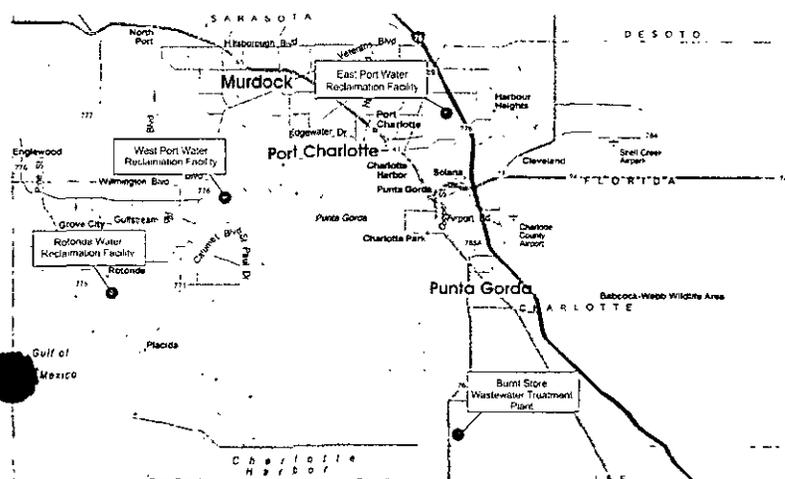
- Development of the north county water balance to determine the reuse system capacity
- Inspection of facilities to ensure regulatory compliance
- Development of Operations Maintenance and Performance Report
- Completion of all FDEP required forms and documentation
- Compilation and submission of a FDEP permit application
- Development of responses to the FDEP's request for additional information

Additionally, FDEP negotiations were required to ensure that historical ground water quality monitoring data does in fact not indicate a deterioration of groundwater quality associated with the land application of reuse. Through a detailed analysis of ground water quality data, WilsonMiller Stantec was able to illustrate that the deterioration of ground water quality data was not a result of land application. Our team submitted the permit renewal application to

Section 2 – Specific Work Category - B. Experience

the FDEP in three weeks, and was able to make this extremely sensitive deadline by allocating its most qualified personnel to prepare the application.

Additionally, our local experience and hands-on relationship with the Southwest Florida District of the FDEP allowed for constant communication with permit reviewers and program managers which streamlined the Request for Additional Information (RAI) process. Stantec is currently involved with Sarasota County in negotiating with FDEP on the final language in the draft permit. These negotiations are focused around reducing costly monitoring requirements for the groundwater monitoring plan and reducing the proposed requirements for the remote monitoring of all reuse ponds that are inter-connected with stormwater management system ponds. Key staff: Joseph Greeley, Principal



Charlotte County Utilities Annual Report, Charlotte County, Charlotte County Utilities, Ron Aibel, 941.764.4300; Completed 2006

The annual report for a utility becomes a bench mark to measure the impact of improvements and use of a utility. It also serves as a means for the Engineer of Record to make recommendations for future changes to the utility infrastructure. WilsonMiller Stantec, in its role as Engineer of Record, has been preparing Annual Report for Charlotte County Utilities for the past ten years.

The Engineer of Record and other staff members participate in the inspection of the water and sewer systems and a review of the operation of these systems each year. The report gives public bondholders and CCU the facts which demonstrates that the County is effectively operating and maintaining the systems. More than twenty-five tables and figures allow the readers to locate information quickly and in a concise format.

An important chapter of the report compares the previous year's recommendations to actions taken on those recommendations. An outline format has been chosen to allow the reader to scan the recommendations and quickly locate the progress of the work on these recommendations. Recommendations that are only partially completed are included as recommendations for the following year or explained as being no longer applicable. The progress made on past recommendations is reflected in the Operations and Capital Improvements Program chapters. Key staff: Joseph Greeley, Principal; David McAnaney, Utilities Engineer; Christopher Rosenboom, Utility Engineer



Section 2 – Specific Work Category - B. Experience

B. Experience With Projects of a Similar Type and Size

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

We are currently under the following contracts that demonstrate our experience in the Utility Engineering category:

Project Name
City of Sarasota, Hydraulic Modeling
City of Sarasota, Bird Key Force Mains
North Cattleman Road 16" Water Transmission
Knight Island Utility WWTP Permit
Charlotte County Utilities, Deep Creek Wastewater FM
Regulatory Compliance, Compliance Contracts, Charlotte County Utilities
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District
Sarasota County Permit Renewals
Sarasota County North Master Reuse System

Our proposed staff has strong relationships with such agencies like the Florida Department of Environmental Protection, Florida Department of Transportation, SFWMD, SWFWMD, NFWFMD, U.S. Army Corps of Engineers, state and federal environmental agencies, as well as many county regulatory agencies.

3/4. Describe the Firm's process and procedures for insuring that current design standards, codes and other regulatory direction are utilized by staff in project design for Stormwater Engineering.

WilsonMiller Stantec has assisted our clients with permit applications and related documentation for traffic and roadway design, water resources, stormwater management, water, wastewater, and reclaimed water system projects, working with permitting agencies at the local, state, and federal levels. Such agencies include the Florida Department of Environmental Protection, Florida Department of Transportation, SFWMD, SWFWMD, NFWFMD, U.S. Army Corps of Engineers, state and federal environmental agencies, as well as many county regulatory agencies.

Our strong experience in working with regulatory agencies assists our clients in moving through the permitting process efficiently. We seek the "buy-in" of the appropriate agencies prior to detailed design and formal permit application, resulting in a more efficient and cost-effective design effort.

Based on our reputation with FDEP and USACE for providing accurate and high quality work, these agencies typically request that we prepare initial drafts of their internal documents justifying permit issuance (e.g., FDEP Permit Application Appraisal, USACE Environmental Assessment/Statement of Findings), thereby shortening the timeframe for permit issuance.

Our staff is highly versed in the NPDES Program and the requirements of the Clean Water Act. We are aware that the NPDES Program was Authorized by the Clean Water Act in 1972 to address serious pollution problems affecting the nation's rivers, lakes, and coastal waters



and that industrial, municipal, and other facilities must obtain permits if their discharges go directly to surface waters. We also have a very strong relationship with the FDEP, which implements the NPDES Permit Program in Florida, thus aiding us in our ability to service Bay County on these ecological issues and requirements.

5. Describe the 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.

Application Software

- Microsoft Office 2007
- MS Project for Windows 2007 Management (CPM)
- Primavera Contract Manager & P3e/c

Software

- AutoCAD 2009
- AutoDesk Land Development Desktop 2009
- External FTP Server
- WaterCAD
- SewerCAD
- WaterGems
- BioWin

We have an internal checks and balances system built into our QA/QC program that prevents mistakes from ever making into the field.

This results in not only strict adherence to budget, but the decrease in change orders during construction which saves both time and money to the owner.

C. Willingness to Meet Schedule and Budget Requirements

Meeting Schedules and Budgets

The WilsonMiller Stantec team philosophy on cost and schedule control is to “do it right the first time “DIRTFT”. We believe the cost of correcting problems with any project weighs heavily on when the problem is first identified and then corrected. For instance, a problem that may only cost \$100 to correct if caught early in the project, may cost \$10,000 to correct during implementation.

Our team is committed to reducing the overall consulting fees to the County by utilizing appropriate project staff and realistic schedules. This commitment includes three basic concepts:

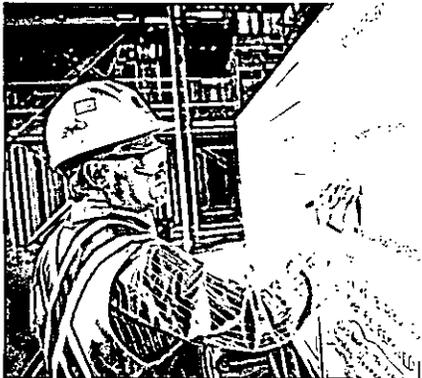
- 1) Identify, understand and utilize available technical information (e.g. the Counties Watershed Management Plans).
- 2) Identify “value staffing” based on eliminating the use of over-qualified staff when they are not required.
- 3) Emphasize strong project management to implement the project within the agreed schedule and budget.

Controls for Meeting Schedule & Budget - Management Approach

WilsonMiller Stantec believes in a strong role for its Contract Managers and Task Managers. As a result, the project manager has full authority to directly commit staff and resources

throughout the company. During the project, if the schedule or scope changes, our project manager can coordinate the necessary changes directly with the County staff in order to provide immediate response to the County’s needs. We are well aware that the County’s project managers routinely oversee several projects simultaneously, consequently, one of our chief objectives is to facilitate the County project manager’s oversight of the project. Specifically, our project manager will maintain chief contact with the County’s project manager. Our communications objective is to provide the County’s project manager with current project information at all times, without adversely impacting the schedule.

Our project manager will also maintain coordination between the County’s project manager and project team through weekly status memos (via e-mail or faxes) and monthly progress reports and regularly scheduled project meetings. Our project manager and members of our project team will be available for project meetings or for on-site reviews with County personnel or other representatives as required.



Coordination of Work

Initial lines of communication and coordination will be established at the onset of the project or task assignment prior to issuance of the notice-to-proceed. At this meeting, appropriate aspects of the work (such as scope, schedules, budgets, QA/QC plan, and public involvement) will be discussed and ground rules for conducting the work, communication,

Section 2 – Specific Work Category - C. Schedule and Budget

and coordination will be established. A detailed schedule and scope will be submitted with each cost proposal for a given assignment.

Throughout the duration of the project, we will maintain frequent contact with the County's project manager to keep him advised of progress and problems that are encountered. It is anticipated that we will meet with the County's project manager at least monthly, but more frequently if necessary.

Communications with the County's project manager will be an integral part of the project. We believe that the effective use of the clients participation will provide a mutually successful project for all parties, from the project development phase through final design and permitting.

Milestone meetings will be scheduled with the County to inform the project team of the progress on the project, in relation to scheduled completion tasks and work products. Emphasis will be placed on the use of hand written transmittals and memoranda, or facsimile transmittals, to reduce secretarial time and provide the County with prompt information on the project.

The project manager will also communicate with the County through weekly telephone contact. The purpose of the phone calls will be to inform the County of the latest project developments, and to resolve potential problems or project conflicts.

We are confident with our proactive approach to identifying and solving problems that the Advantage Engineering team can complete the County's task assignments on time or ahead of schedule within the agreed upon budget.

Our current workload is divided amongst a staff of 15.

As you can see in the table to the right, nearly every one of our current projects are expected to be completed this year.

Section 2 – Specific Work Category - D. Workload

D. Willingness to Meet Schedule and Budget Requirements

The table below identifies the projects which we currently have contracts ongoing, along with the anticipated completion dates.

Project Name	Est. Completion Date
Polk State College Advanced Technology Center, Site Engineering	2012
Grassy Key Development, FDE, Engineering Services P	2011
EPWSD/USDA Rural Development, Eastpoint Water & Sewer District	2011
Franklin Correctional Institution, Engineering Services	2011
Marathon Safety Improvements, Engineering Services	2011
Santa Clara and Willow Street Construction Administration	2011
Windley Key, Sargarloaf Trail Segment Extensions - FDEP	2011
Bald Point Construction Close-Out, Roadway/Traffic Design Services	2011
SR 189 from Roberts Blvd., Roadway Design Services	2012
Group 11-02 Resurfacing, FDOT, Roadway Design Services	2011
City of DeFuniak Springs, Planning Services - CRA	2011
City of Carrabelle CRA, Planning Services	2011
Bay County Joint Land Use Services, Planning Services	2011
Villages of Seloy, Planning Services	2011
EAR Amendment - Marianna Comprehensive Plan, Planning Services	2011
Bal Harbour Shops, Planning Services	2011
St. Andrew's Bay, Civil Engineering Services	2011
Florida Keys Overseas Heritage Trail Summerland West Mitigation, Environmental Management Services	2011

All of our proposed team members have previous experience in providing services under continuing contracts to a variety of clients. These team members average 20 years experience each, so Leon County can rest assured they are receiving highly-qualified, experienced staff assigned to the continuing contract no matter how small the task assignment.





Our staff holds regular project update/scheduling meetings to ensure the project(s) stay on track and within budget.

Our assigned team members have the ability to start work as soon as a task order is assigned under the Continuing Supply contract. We have assigned a core team of 8-10 people to the team, that will be "on-the-ready" if we are assigned the contract. They will be able to absorb any projects issued under the Continuing Supply Contract because we anticipate the majority of our projects to be completed by end of 2011.

We also have multiple other resources to pull staff from within the state of Florida, a total of 280 personnel state-wide. On a more global scale, we have nearly 10,500 persons located in 150 different offices.

We hold regular project scheduling meetings to ensure that our projects stay on budget and within anticipated schedule. This is key to managing the overall workload of multiple miscellaneous task orders simultaneously.

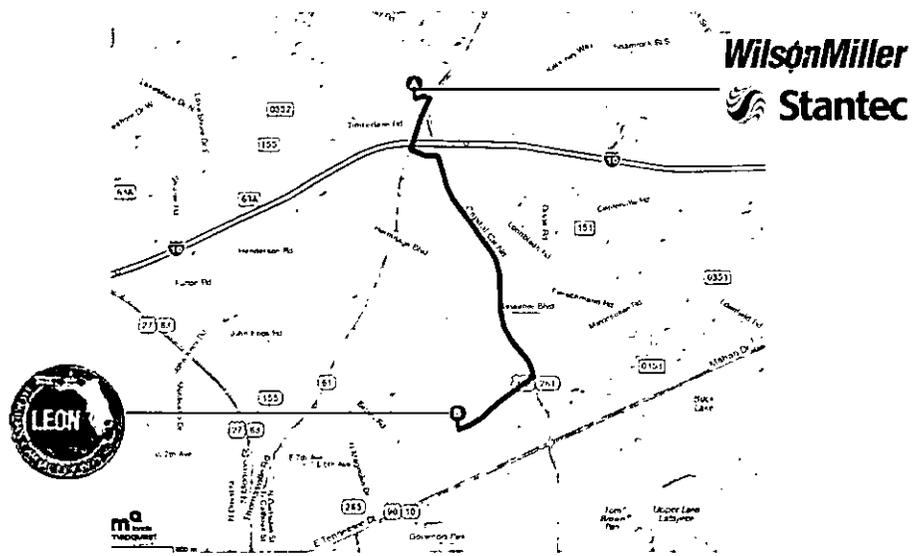
E. Project Team Location

Our project team is predominantly located at our Tallahassee office, located locally in Leon County. The address is:

- 1441 MaclayCommerce Drive, Suite 101
Tallahassee, FL 32312

Our team will be supplemented by personnel located in other offices throughout Florida and Georgia. As a corporate policy worksharing is a common practice, one that occurs between various offices and amongst disciplines. Our staff is familiar with working on projects that are not local to them, and know our internal process of communicating regularly with local personnel in order to seamlessly provide service.

Our local presence will be a significant advantage in our ability to easily service any tasks assigned under the Continuing Supply contract.



Our Tallahassee office is located 4 miles from the Leon County Public Works address at 2280 Miccosukee Road.



F. Approach to the Project

Water is one of our most precious natural resources. Effective management of this resource and its supporting infrastructure is critical to public health, economic development, and the long-term health of the environment. With a focus on resource renewal and sustainability, WilsonMiller Stantec applies knowledge and technology to deliver and manage water and wastewater solutions.

These infrastructure solutions for water supply, conveyance, pumping, and storage are collaboratively developed from client needs, the solid foundation of our design experience, and our knowledge of specialized technologies such as asset and condition management, trenchless construction, computer modeling, wet weather flow management, and odor and corrosion control.



WilsonMiller Stantec is an innovator of advanced water and wastewater process design and biosolids management, particularly in the areas of biological nutrient removal, membrane technology, ultraviolet disinfection, and ozonation. We gained this experience through our involvement in complex projects and investment in ongoing research.

We deliver services throughout the infrastructure life cycle to public and private sector clients by an integrated team of professional local staff and recognized technical specialists.

Local Project Experience

PUMPING STATIONS – WilsonMiller Stantec’s local team designs water and wastewater pumping stations that are economical to construct, operate, and maintain. We have provided planning, design, and construction management services for pumping stations of varying sizes, with our locally, ranging from 100 to 2500 gpm. We have also designed over 40 pumping stations locally within the past five years, including 18 pumping stations for Sarasota County, and the rehabilitation of over 200 wastewater lift stations in Charlotte County – experience we believe you won’t find anywhere else.

COLLECTION – Our services cover the full spectrum of systems evaluation, master planning, hydraulic modeling, design, and construction engineering. We have significant experience with the rehabilitation and design of all components of collection systems - allowing our clients to best utilize existing assets to meet current and future needs. Recent projects include an Interconnect Force Main preliminary design, which integrated various hydraulic models into one Steady State model of a municipal collection system.



REUSE – We recognize the value of reclaiming, recycling, and reusing water to conserve and protect the natural environment. Water reclamation is a vital means of dealing with drought, conserving potable water supplies, and providing a beneficial means of effluent disposal. Having recently prepared numerous FDEP permit renewals for several plant facilities, WilsonMiller Stantec is highly qualified to assist in maintaining, operating, and modifying reuse systems for our municipal clients.

Section 2 – Specific Work Category - F. Project Approach

WATER DISTRIBUTION – WilsonMiller Stantec has significant local experience in water distribution systems, starting with high level master planning for all components necessary to ensure the system functionality and reliability required to consistently deliver a high quality and sufficient quantity of water. Recently, WilsonMiller Stantec designed the rehabilitation of an elevated storage tank, as well as water distribution system in Sarasota County totally over 65,000 feet of water distribution lines.

WilsonMiller Stantec's method of executing work focuses our team on working as an extension of the Leon County staff. Consequently, we always will be keenly aware of the importance that timely project communications will have. We apply a consistent methodology and rationale to every project we deliver. While individual projects that we complete present their own unique characteristics and specific challenges, our approach to completing each is the same. Successful projects begin with the development of a specific project scope. Included in the scope of services is an identification of all project deliverables and an associated schedule for the project. This scope must be fully understood by the Leon County and WilsonMiller Stantec. It is our commitment to provide a timely and cost-effective response to the County's needs.

The actual steps to implement a project task or work order under this continuing supply arrangement may vary according to the needs of the County, but we would generally recommend the following approach:

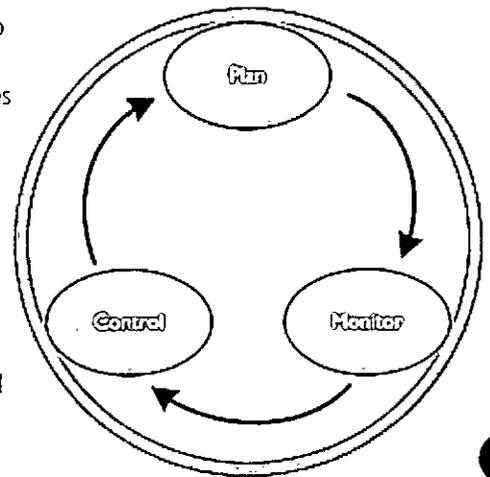
It is anticipated that County Department Director, or his or her authorized designee, would contact WilsonMiller Stantec's Contract Manager, Chris Brockmeier, directly with an initial request for services. This initial contact may be verbal or in writing.

After the initial discussions with the County's representative, Mr. Brockmeier would prepare a draft work order for the requested services including a work plan, fee proposal and task schedule. The work plan will indicate: 1) what work is to be performed, and 2) by which team members. If any outside services or subconsultants are required to complete the project, WilsonMiller Stantec will indicate the names of the firms and/or service providers that will be utilized in the performance of the work. (Note: no costs are incurred by the County for the preparation of work orders by WilsonMiller Stantec).

Following the County's receipt of the draft work order, the County would complete the negotiation of the scope of services and fees, and under the appropriate authority, authorize the work to proceed. We will remain flexible with respect to submitting and completing the scope and fee negotiations in time for County staff to meet any internal submission deadlines for approvals so that the work can proceed as soon as possible.

Upon receipt of the authorization to proceed, WilsonMiller Stantec will begin work and proceed pursuant to the adopted task schedule. Work will proceed according to the schedule, with deliverables provided according to the adopted work plan.

County feedback will be solicited via e-mail communications, informal progress meetings, and formal review workshops and submittals. During the life of the work order, an appropriate number of meetings will be established in the work plan to ensure that the desired results are obtained as part of the timely completion of the project.



Section 2 – Specific Work Category - F. Project Approach

PROJECT EXECUTION

The design process for each project will begin with a kick-off meeting with County staff, project manager, and the design team. The scope of the project will be discussed, critical factors to be considered and other issues specific to the project. Based on the size and scope of the project, WilsonMiller Stantec will produce a preliminary design report and review documents at the 30%, 60%, 90%, and 100% complete levels, including opinions of probable construction costs. At each stage, the project manager will meet with the County staff to review the progress of the project and make adjustments based on input from County staff. Following the completion and approval of the final design, WilsonMiller Stantec

will prepare contract documents and assist in the bidding process including advertising for and obtaining bids for construction, materials, equipment and services at the direction of the County. WilsonMiller Stantec will coordinate the project construction phase with the assistance of Greenman-Pederson by advising the County and providing project management through observations, monitoring, and relating activities during the construction phase.

For each project awarded, WilsonMiller Stantec will include services for all engineering, surveys, geotechnical investigations and structural services necessary to successfully complete the project.



QA/QC APPROACH

WilsonMiller Stantec has aggressively pursued its commitment to quality for every task, deliverable, and service we provide. Recognizing the critical importance of careful quality control, we have assigned seasoned professionals that have no line authority or are actively working on the project to head up our Quality Assurance Program for this project. The objective of our quality control/ quality assurance program will be to ensure that our services are based on sound engineering principles and practices that reflect the highest standards. This ensures that the deliverables conform to the client's scope and are thorough and accurate.

Quality control is assured by a carefully designed system of crosschecks and independent reviews and senior principals of the firm conducting top-level reviews of the projects in their role as senior management. Prior to starting the project, we will hold an internal meeting with key members of the team assigned to the project to define roles and responsibilities, establish realistic schedules, and clearly identify project milestones and goals. The professionals involved in monitoring the Quality Control Plan will define their expectations for the project and their role in the Quality Assurance.



- **Management Responsibility** - Management has designated an office representative (the project manager of each of our offices) who has defined authority and responsibility for implementing and maintaining the quality policy.
- **Project Control** - Our project manager will establish and maintain procedures to control and verify project scope performance. This will allow our team to meet project specific criteria, other specified requirements, and requirements of the relevant regulatory agencies.
- **Document Control** - We use an electronic document records management system that tracks all documents, including non-electronic documents, by project.

- **Subcontracting** - We require our subcontractors to identify and plan the production processes that directly affect quality and to perform these processes under controlled conditions.
- **Inspection and Verification/Testing** - We document results for receiving incoming products, work in process, and final inspection of outgoing documents.
- **Inspection and Verification Status** - This accepts only work that has passed the required inspections and verifications.
- **Nonconformance** - We will establish and maintain procedures to correct nonconforming work so that such work is not inadvertently used or installed.
- **Corrective Action** - This includes procedures for investigating the cause of nonconforming work, the corrective action needed to prevent recurrence, and procedures for analysis to detect and eliminate potential causes of nonconforming work.
- **Training** - WilsonMiller Stantec has established and maintains corporate-wide procedures for identifying the training needs and providing the training of all technical and professional personnel performing activities that affect quality.

While maintaining the highest level of QA/QC in every WilsonMiller Stantec project, quality improvement efforts are intended to establish strategies for continued improvement in areas of production, scheduling, and multi-disciplinary coordination. To that end, WilsonMiller Stantec has developed a *post-project evaluation summary* process to assist the project manager in evaluating the positive and negative performance results of the project.

PERFORMANCE MONITORING

After each phase of the design process has been completed and before the deliverables are submitted, there will be a quality control inspection to determine if the product is technically correct and consistent with the goals and objectives of Leon County.

Any changes or modifications required in order to respond to comments or suggestions during the QA/QC process will be incorporated into the project during the ongoing analysis prior to submitting the project to County staff or the permitting agencies.

The Project Director for WilsonMiller Stantec, Mr. Chris Brockmeier, P.E., aided by the appropriate QC personnel as a last check, will review all documents that have gone through the Quality Control Process for consistency with project requirements and technical adequacy before it is submitted to Leon County.

RESULTS

WilsonMiller Stantec is committed to provide the services required by Leon County with a project team to fit the County's direction, focusing on meeting three fundamental objectives:

- Completing the project on time
- Completing the project within Budget
- Completing the project with the quality expected

