

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

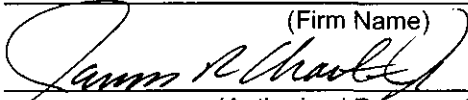
THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

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 Chastain-Skillman, Inc.
(Firm Name)

(Authorized Representative)
James R. Chastain, Jr., PhD, PE, MPH - President
(Printed or Typed Name)

ADDRESS 825 Thomasville Road

CITY, STATE, ZIP Tallahassee, FL 32303

TELEPHONE (850) 942-9883

FAX (850) 878-0945

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

Addendum #1 dated 03/03/11 Initials  Addendum #3 dated _____ Initials _____
Addendum #2 dated 03/08/11 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 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 checked="" type="checkbox"/> f. Environmental Support Services | |
| <input type="checkbox"/> g. Construction Engineering and Inspection Services | |

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Proposal Response Cover Sheet

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A.3	SF 330s for Outside Consultants
	◆ EGS
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B.1	List of Projects in Work Category Illustrating Experience and Current Staff Assignment

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Roadway Design

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Environmental Support

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	◆ ACI
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Utility Engineering

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**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

General Information

SECTION I



LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Contractor Information

SECTION A

SECTION A. CONTRACTOR INFORMATION

- A.1. The firm name, business address, office location, telephone number, and email address for the contact person for Chastain-Skillman, Inc. are:

Chastain-Skillman, Inc.
825 Thomasville Road
Tallahassee, Florida 32303
850.942.9883 (office)
850.878.0945 (fax)

Primary Contact: B. Alan Hart, PE - Program Leader

- A.2. In addition, the team is supported by staff in our Lakeland Headquarters and Tampa offices. Those addresses are provided below:

Lakeland Headquarters:

Chastain-Skillman, Inc.
4705 Old Highway 37
P.O. Box 5710; Zip: 33807-5710
Lakeland, Florida 33813

Tampa Office:

Chastain-Skillman, Inc.
8402 Laurel Fair Circle, Suite 105
Tampa, Florida 33610



LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Executive Summary

SECTION B

B. EXECUTIVE SUMMARY

Chastain Skillman, Inc. (CSI), a full service engineering firm with a local office in Tallahassee, is pleased to submit our proposal to provide services to Leon County for the Civil Engineering Services, Continuing Supply Contract, Proposal No. BC-03-17-11-25. Enclosed is one original (consisting of the General Information and each Work Category) and three copies of the General Information and Specific Category for each of the five categories we are applying for.

CSI is a privately owned and operated professional service firm founded in 1950. It originally focused on civil engineering related to the phosphate mining industry, but diversified over the years and now specializes providing city and county clients with civil and environmental engineering services. As the firm grew, satellite offices were opened, first in Sebring, followed by Tampa, and later Tallahassee. From its humble beginnings, CSI has grown to be ranked one of the Tampa Bay Area's **Top-15 Engineering Firms** (Tampa Bay Business Journal) for the last 8 years. We were also ranked in the **Top 20% Best Run A/E firms in the nation** by PSMJ, Inc. CSI is proud to have served its Florida clients for over six decades.

CSI's design efforts for Leon County will be conducted in our Tallahassee office, with support, if necessary, from our Lakeland or Tampa offices. CSI has approximately 70 full-time employees working from these locations. CSI has successfully delivered years of similar services to the City of Tallahassee, Florida Department of Environmental Protection (DEP), Division of Recreation and Parks and Bureau of Waste Clean-up, Florida Department of Business and Professional Regulation (FDBPR), Florida Department of Management Services (DMS), FAMU, Capital City Bank, Telogia Power, Solomon C&D Landfill, Holmes County Board of County Commissioners, Polk County Board of County Commissioners, Highlands County Board of County Commissioners, Hillsborough County Board of County Commissioners, Hardee County Board of County Commissioners, and many others.

Service Sectors: CSI is a broad-based multidisciplinary firm offering the following professional engineering and consulting services in the field of Civil Engineering. We have numbered/lettered the work categories to coincide with the listing within Section III of the RFP:

- a. Stormwater Engineering
- b. Roadway Design
- c. Traffic and Intersection Engineering
- f. Environmental Support Services
- k. Utility Engineering

The following CSI staff summary is provided to show an overview of the number of staff available to provide the professional services requested. A more detailed description of these individuals, showing our proposed **Team Organization Chart, resumes, education, certifications, licenses, professional credentials and experience**, may be found in "Section II.A–Ability of Professional Personnel" provided in the respective work category proposal packages. Staff members relevant to this contract include:

Professional Engineers -	21	Industrial Hygiene Engineer -	1
Professional Geologists -	4	EOHS Specialists -	7
Environmental Scientists -	4	Industrial Hygienists -	3

It is of importance to note is that the professional staff mentioned herein are seasoned professionals. They combine *for over 500 years of service at CSI* and routinely perform the same type of project duties as those required by Leon County under this contract.

As stated, the majority of the services envisioned under this contract will be performed through our local CSI Tallahassee office located at 825 Thomasville Road, Tallahassee, Florida 32303 (Office 850-942-9883, Fax 850-878-0945). Mr. Alan Hart, PE, the designated Program Manager will be the local Tallahassee Office contact responsible for the day-to-day management on all Leon County projects and may make representations for the company. He may also be contacted by email at: Alan Hart - ahart@chastainskillman.com.

Dr. Jim Chastain, PE, MPH, CSI's President, will serve as Principal-In-Charge for this contract. He has served in this capacity for similar clients over the past 30 years as well as providing technical oversight. In addition, this RFP submittal has been prepared under Dr. Chastain's direction and is in all respects fair and in good faith without collusion or fraud. Dr. Chastain has the authority to bind the company with reference to the information contained herein.

CSI is committed to an aggressive and responsible MWBE program. For this contract, we believe we have assembled an outstanding MWBE team to supplement our staff. The following is a list of partners that CSI intends to utilize:

- Moore Bass Consulting
- Registe, Sliger Engineering, Inc.
- Environmental & Geotechnical Specialists, Inc.
- Archaeological Consultants, Inc.

How do CSI's qualifications and experience benefit the County? CSI provides an experienced staff to facilitate efficient and effective design. This results in cost savings and smoother projects for the County. Our Tallahassee office, and its committed professionals, will provide smoother execution through improved communications and responsiveness. In addition, as a part of the CSI culture, their desire to be a part of the improvement of their home county provides a personal incentive to be a "best resource" for the County.

CSI has provided 60 years of continuous professional services to Florida clients. This attribute of longevity is testament to our philosophy of providing a technical and management team that listens and responds to our clients' needs. We are one of a select few engineering firms in the state that can provide such a unique and comprehensive knowledge base, in-house. Our repeat business and our duration of service speak to our ability to communicate effectively and respond quickly to meet the needs of our clients. This experience will equate to moving the burden of projects from the shoulders of County staff, to the shoulders of CSI.

- ◆ There is no learning curve; our project team consists of several engineers with years of experience ranging from 10 to over 40, and the County will receive full advantage of that experience in our project production;
- ◆ Our multidisciplinary and local team allows rapid response to client and contractor; and
- ◆ The CSI culture is one that seeks to become a critical resource to our clients by taking a personal interest in the projects and people involved as we work to develop stronger communities.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

Required Forms

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

SECTION C

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply

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Opening Date: Thursday, March 17, 2011 at 2:00 PM

AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS

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

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

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

Company Name: Chastain-Skillman, Inc.

Signature: *Jamie N. Chastain* Title: President

STATE OF Florida
COUNTY OF Polk

Sworn to and subscribed before me this 11th day of March, 2011.

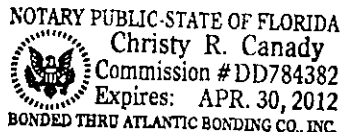
Personally known Yes

Christy R. Canady
NOTARY PUBLIC
Notary Public - State of Florida

OR Produced identification NA

NA
(Type of identification)

My commission expires: 04/30/2012



Christy R. Canady
Printed, typed, or stamped
commissioned name of notary public

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

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

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply

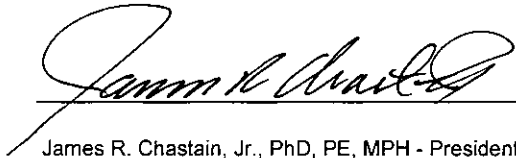
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EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

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:

James R. Chastain, Jr., PhD, PE, MPH - President

Firm:

Chastain-Skillman, Inc.

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply

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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:

A+

Indicate Best Financial Classification:

XV

Business Auto:

Indicate Best Rating:

A+

Indicate Best Financial Classification:

XV

Professional Liability:

Indicate Best Rating:

A

Indicate Best Financial Classification:

XV

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

YES NO

Indicate Best Rating: _____

Indicate Best Financial Classification: _____

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

Retail First Insurance Company

2310 Commerce Point Drive

Lakeland, FL 33801

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 James R. Chastain, Jr., PhD, PE, MPH
Typed or Printed

Signature 

Date 03/11/2011

Title President
(Company Risk Manager or Manager with Risk

Authority)

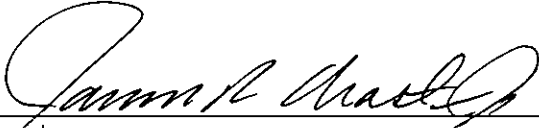
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**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

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

James R. Chastain, Jr., PhD, PE, MPH - President

Title

Chastain-Skillman, Inc.

Contractor/Firm

825 Thomasville Road, Tallahassee, FL 32303

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: Chastain - Skillman, Inc.	
Current Local Address: 825 Thomasville Road, Tallahassee, FL 32303-6217 Chastain-Skillman's Tallahassee Office has been established for 8 Years	Phone: 850-942-9883 Fax: 850-878-0945
If the above address has been for less than six months, please provide the prior address. 209 N. Magnolia Drive, Suite B, Tallahassee, FL 32301 (approx 16 months - from mid 2009-2010) 224 Office Plaza Drive, Tallahassee, FL 32301 (prior to 2009)	
Length of time at this address:	
Home Office Address: 4705 Old Highway 37, Lakeland, FL 33813-2031 (Physical) P.O. Box 5710, Lakeland, FL 33807-5710	Phone: 863-646-1402 Fax: 863-647-3806

James R. Chastain, Jr.
Signature of Authorized Representative

03/11/2011

Date

STATE OF Florida
COUNTY OF Polk

The foregoing instrument was acknowledged before me this 11th day of March, 2011.
By James R. Chastain, Jr., PhD, PE, MPH - President of Chastain-Skillman, Inc.

(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)
a Florida corporation, on behalf of the corporation. He/she is personally known to me
(State or place of incorporation)
or has produced NA as identification.
(type of identification)

NOTARY PUBLIC-STATE OF FLORIDA
Christy R. Canady
Commission #DD784382
Expires: APR. 30, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Christy R. Canady
Signature of Notary

Return Completed form with supporting documents to:

Leon County Purchasing Division
2284 Miccosukee Road
Tallahassee, Florida 32308

Print, Type or Stamp Name of Notary
Notary - Corporate Administrative Assistant

Title or Rank

Commission #DD784382

Serial Number, If Any

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 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 the County, and, if applicable, the City of Tallahassee (please attach copies); and
- c) Employs at least one (1) full time employee, or two (2) part time employees whose primary residence is in Leon County, or, if the business has no employees, the business shall be at least fifty percent (50%) owned by one or more persons whose primary residence is in Leon County.

Please complete the following in support of the self-certification. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: Chastain-Skillman, Inc.	
Current Local Address: 825 Thomasville Road, Tallahassee, FL 32303-6217	
If the above address has been for less than six months, please provide the prior address. N/A	
Length of time at this address 16 months	
Number of Employees and hours worked per week by each: 2 employees averaging 40+ hours/week & 1 employee averaging 32 hours/week	
Name and Address of Owner(s) who reside in Leon County and who in total own at least 50% or more of the business. Attach additional sheets as necessary.	Percentage of Ownership
1. Home Office - Lakeland (LES)	
2.	

James R. Chastain, Jr.
 Signature of Authorized Representative


03/11/2011
 Date

STATE OF Florida
 COUNTY OF Polk

The foregoing instrument was acknowledged before me this 11th day of March, 2011.
 By James R. Chastain, Jr., PhD, PE, MPH - President, of Chastain-Skillman, Inc.
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)
 a Florida corporation, on behalf of the corporation.
(State or place of incorporation)

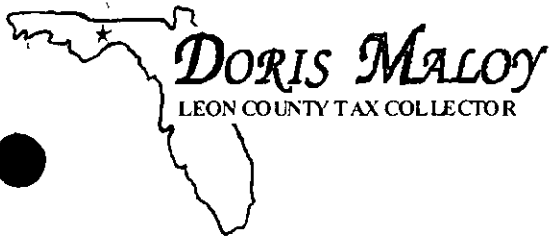
He/she is personally known to me or has produced NA as identification.
(type of identification)

Christy R. Canady
 Signature of Notary

NOTARY PUBLIC-STATE OF FLORIDA
 Christy R. Canady
 Commission # DD784382
 Expires: APR. 30, 2012
 BONDED THRU ATLANTIC BONDING CO., INC.

Christy R. Canady
 Print, Type or Stamp Name of Notary
 Notary - Corporate Administrative Assistant
 Title or Rank
 Commission # DD784382

Serial Number, If Any



MAILING ADDRESS
Post Office Box 1835
Tallahassee, Florida 32302-1835
(850) 488-4735

OFFICE LOCATIONS

Downtown, 315 S. Calhoun St. • Carriage Gate, 3425 Thomasville Rd.
Cross Creek, 1210 Capital Circle, SE • Heritage Plaza, 2810 Sharer Rd.
Southside, 3477 S. Monroe St. • Westside, 870-1 Blountstown Hwy.



CHASTAIN-SKILLMAN INC
CHASTAIN JAMES R JR
PO BOX 5710
LAKELAND FL 33807-5710

Business Tax Receipt Notice

The Leon County Board of County Commissioners voted June 9, 2009 to repeal the Local Business Tax Receipt Ordinance effective October 1, 2009. Please see enclosed letter from the Chairman of the Board of County Commissioners.



Leon County

Board of County Commissioners

301 South Monroe Street, Tallahassee, Florida 32301
(850) 606-5302 www.leoncountyfl.gov

Commissioners

BILL PROCTOR
District 1

JANE G. SAULS
District 2

JOHN DAILEY
District 3

BRYAN DESLOGE
District 4

BOB RACKLEFF
District 5

CLIFF THAELL
At-Large

AKIN AKINYEMI
At-Large

PARWEZ ALAM
County Administrator

HERBERT W.A. THIELE
County Attorney

July 1, 2009

Dear Local Business Owner:

During our budget workshop, the Leon County Board of County Commissioners eliminated the local business licensing tax for the 2010 fiscal year. In the past couple of years our community has experienced tough economic times and especially on our local businesses. For this reason the Commission adopted a proposed budget that cuts \$19 million in government spending which will result in about \$8.6 million of property tax savings Countywide. The elimination of the local business tax will save local businesses more than half of a million dollars.

These actions are just a few of the many vital steps that have been taken by the Leon County Commission for over a decade to support local business and spur economic growth. Economic development has always been a focus and objective of the County Commission. Just in the past few years, the Board has actively backed measures important to local businesses such as the \$25,000 exemption on Tangible Personal Property Tax and the cap on non-homestead property assessments to reduce the inequities in Florida's property tax structure.

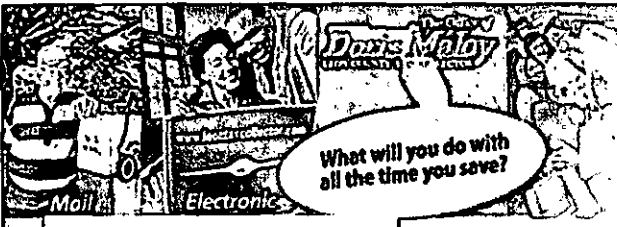
Please know that Leon County deeply appreciates that businesses like yours are the backbone of our local economy. Like local governments everywhere these days, Leon County faces unprecedented budget challenges in just maintaining the quality of essential services we deliver. However, we also recognize the important responsibility government must play to partner with our local business community and promote and support a strong business climate. This valuable partnership is vital in order to maintain a unique quality of life in our community, especially during this recession. Thank you again for the services you provide our community.

Sincerely,

A handwritten signature in black ink, appearing to be "Bryan Desloge".

Bryan Desloge
Chairman

cc: Leon County Board of County Commissioners
Parwez Alam, County Administrator
Sue Dick, President of the Greater Tallahassee Chamber of Commerce
Windell Paige, President of the Capital City Chamber of Commerce



The Office of
Doris Maloy
LEON COUNTY TAX COLLECTOR

powered by www.freefind.com

Find

Office Mission Statement

Contact Information

Leon County Tax Collector History

Forms

Event Calendar

Office Holiday Schedule

Office Locations

Employment Opportunities

Press Releases

Myleoncounty.com

Online Payment

Other Useful Links

Contact Information

Mailing Address:

Post Office Box 1835
Tallahassee, Florida 32302-1835

For assistance in any of the areas listed below. Contact our Communications Center at (850) 488-4735, or Email us.

- Property Taxes
- Motor Vehicle
- Boats & Vessels
- Hunting & Fishing
- Business Tax Receipt (no requirements; repealed Oct. 1, 2009)
- Tourist Development
- Driver License

**It's Breezy,
Quick and Easy!**
Online and by Mail
www.leontaxcollector.net

General Disclosure: Accuracy of the information provided on this web site is not guaranteed for legal purposes. Changes may occur daily. To get the most current information, contact the Tax Collector's Office.



CHASTAIN-SKILLMAN, INC
THOMAS LEWIS, PG
P O BOX 5710
LAKELAND FL 338075710

Account Number: 62162

**The Business Tax Certificate for tax year 2011 is attached below.
This certificate expires September 30th, 2011.**

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

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

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

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

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

Thank you for your Payment

2010-11

CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE
LOCAL BUSINESS TAX RECEIPT

2010-11

TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011

DBA: CHASTAIN-SKILLMAN, INC
Location: 825 THOMASVILLE RD
Address: TALLAHASSEE FL 32303

Account Number: 62162

Type Code	Sub Code	Type Description:
650	m	Professional - Miscellaneous

CHASTAIN-SKILLMAN, INC
THOMAS LEWIS, PG

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.)



CHASTAIN-SKILLMAN, INC
B ALAN HART
P O BOX 5710 \\
LAKELAND FL 338075710

Account Number: 66642

**The Business Tax Certificate for tax year 2011 is attached below.
This certificate expires September 30th, 2011.**

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

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

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Thank you for your Payment

2010-11

CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE
LOCAL BUSINESS TAX RECEIPT

2010-11

TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011

DBA: CHASTAIN-SKILLMAN, INC
Location: 825 THOMASVILLE RD
Address: TALLAHASSEE FL 32303

Account Number: 66642

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

CHASTAIN-SKILLMAN, INC
B ALAN HART

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.)



CHASTAIN SKILLMAN, INC
ACCOUNTING
P O BOX 5710
LAKELAND FL 338075710

Account Number: 39662

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

This certificate expires September 30th, 2011.

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

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

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

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

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

Thank you for your Payment

2010-11	CITY OF TALLAHASSEE BUSINESS TAX CERTIFICATE	2010-11
	LOCAL BUSINESS TAX RECEIPT	
TAX CERTIFICATE EXPIRES SEPTEMBER 30, 2011		
DBA: CHASTAIN SKILLMAN, INC		Account Number: 39662
Location: 825 THOMASVILLE RD		
Address: TALLAHASSEE FL 32303		
Type Code: 675	Sub Code: a	Type Description: Professional Office
CHASTAIN SKILLMAN, INC	<p>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.)</p>	
ACCOUNTING		



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

Specific Proposal Information

SECTION II

**STORMWATER
ENGINEERING**

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Proposal Response Cover Sheet

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<u>Section</u>	<u>Title</u>
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A.2	Address of Support Offices
B.	Executive Summary
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C.1	Affidavit Certification Immigration Laws
C.2	Equal Employment Policies
C.3	Insurance Certification Form
C.4	Certification Regarding Debarment, Suspension, and Other Responsibility Matters Primary Covered Transactions
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Stormwater Engineering

<u>Section</u>	<u>Title</u>
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A.1	Total Number of Professionals Assigned to Category and Availability to Provide Services on Short Notice
A.2	Brief Resume of Key Personnel & Organizational Chart
A.3	SF 330s for Outside Consultants <ul style="list-style-type: none">◆ Moore Bass Consulting◆ EGS◆ Registe, Sliger Engineering, Inc.
B.	Experience with Projects of a Similar Type and Size
B.1	List of Projects in Work Category Illustrating Experience and Current Staff Assignment

TABLE OF CONTENTS

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B.3	Process and Procedures for Utilizing Current Design Standards, Codes and Other Regulatory Requirements
B.4	Ignore; duplicate of B.3
B.5	Basic and Special Resources Available to Firm
C.	Willingness to Meet Schedule and Budget Requirements
D.	Effect of Firm's Recent, Current, and Projected Workload
D.1	Names and Descriptions of Projects Currently Under Contract and Anticipated Completion Dates
D.2	Firm's Ability to Absorb Projects Resulting from Contract
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F.	Approach to the Project



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Stormwater Engineering
Ability of Professional Personnel**

SECTION A

SECTION A.1 TOTAL NUMBER OF PROFESSIONALS ASSIGNED TO CATEGORY AND AVAILABILITY TO PROVIDE SERVICE ON SHORT NOTICE.

The following information is provided to demonstrate the number of staff members available to provide the professional services requested. A more detailed description of these individuals, showing our proposed **Team Organization Chart, resumes including education, certifications, licenses, professional credentials, and experience**, is presented in the following pages and are specific to the respective work category. Staff members relevant to this contract include:

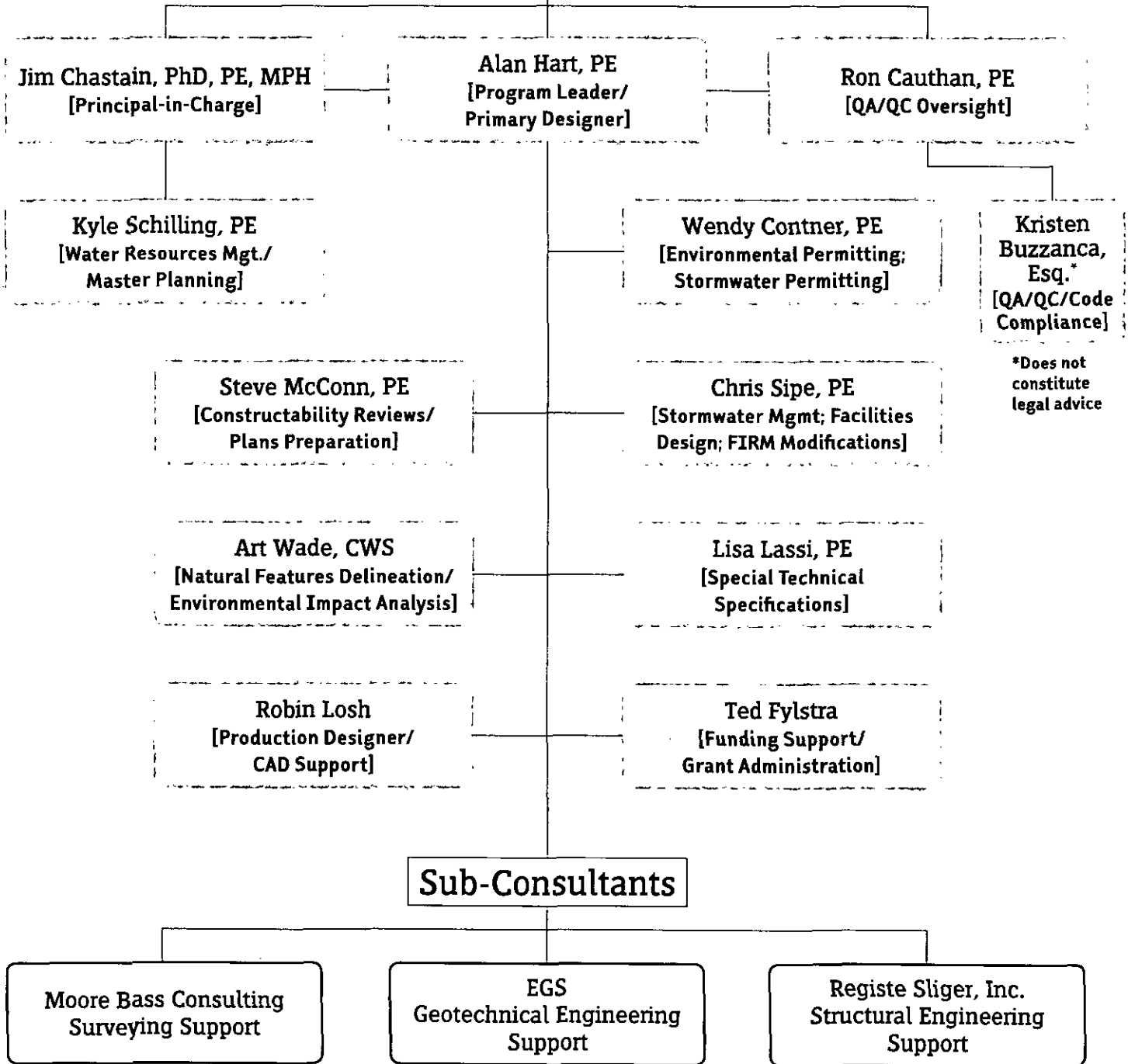
Professional Engineers -	21	Industrial Hygiene Engineer -	1
Professional Geologists -	4	EOHS Specialists -	7
Environmental Scientists -	4	Industrial Hygienists -	3

Of importance to note is that the professional staff mentioned herein who will be working directly on similar County Client projects *combine for over 500 years of service at CSI* performing the specific type of project duties required by Leon County for this contract. Based on current workload, these individuals stand ready to respond to the County's needs to meet both schedule and budget constraints.

STORMWATER ENGINEERING ORGANIZATIONAL CHART



LEON COUNTY PUBLIC WORKS





James R. Chastain, Jr. PhD, PE, MPH

President

• 40 years with
Chastain Skillman, Inc.

Education:

- University of South Florida
PhD
- University of South Florida
MPH
- University of Florida
ME Environmental Engineering
- University of Florida
BSCE (cum laude)

Other Experience/ Qualifications

- Diplomate/American Academy
of Environmental Engineers
- National Institute of Health/
HSDB Scientific Peer Reviewer

Clients Have Included:

- QA/QC technical reviews
- Data analysis/statistical
analysis
- Water chemistry
- Treatment process design
- Project management

Active Registrations:

- PE/Florida (PE 16277)
- PE/Georgia (PE 12080)

WATER AND WASTEWATER PROCESS DESIGN

Performed master water and wastewater studies including computer simulations for 8 cities/counties and numerous private utilities. Developed proprietary computer program for wastewater process design. Lead designer for bottled water and process water plant design for major grocery distributor, including activated carbon filters, mixed bed deionization, and ozone injection. Design engineer for numerous wastewater treatment facilities up to 4.0 MGD. Design engineer for municipal water treatment plants.

MUNICIPAL AND PUBLIC HEALTH ENGINEERING

Published research on public water system security; provided engineering design for numerous pump station/force main projects for municipal and county clients; developed a wastewater reuse guidance from a public health aspect; interpretation of scientific health studies with application to public water and wastewater systems; Solid waste leachate characterization studies and treatment systems.

CIVIL ENGINEERING

Design oversight and QA/QC tasks for company stormwater and utility designs. Principal in charge of over 50 civil engineering design projects including a 1400 multi-use Development of Regional Impact (DRI) with associated sub-projects.

REGULATORY AGENCY LIAISON

Associated with over 400 system permit applications; assisted clients in resolution of difficult permit situations including representation before state environmental agencies and the EPA/Atlanta as well as Administrative law proceedings

FEASIBILITY STUDIES

Associated with over 100 feasibility studies or facility plans. These plans have included evaluation of alternative engineering designs, net present value/ROI or other economic considerations, institutional feasibility, permit mapping, funding alternatives, and public participation; Principal in charge for over \$50M in grant or subsidized loan funding activities.

RISK ASSESSMENT AND WATER CHEMISTRY

Scientific Peer Reviewer for National Institute of Health/National Library of Medicine Hazardous Substances Databank (HSDB); more than 50 Groundwater contamination assessment and treatment studies; oversee corporate initiatives into evaluation and implementation of new technologies.



Alan Hart, P.E.

Project Manager

- Less than 1 year with Chastain Skillman, Inc.
- 15 years in the Industry

Education:

- Georgia Institute of Technology
BCE Civil Engineering

Areas of Expertise:

- Stormwater Management Facilities
- Stormwater Conveyance Design
- Roadway Design
- Site Development Design
- PD&E Studies
- Watershed Modeling

Clients Have Included:

- Suwannee River Water Management District
- Florida Department of Transportation
- Bay County/Meeks Development
- Summit East Development
- St. Joe Land Company

Active Registrations:

- Registered Professional Engineer (Florida PE #58055)

OVERVIEW

Mr. Hart has over 15 years of experience in the planning, design, permitting, and management of civil engineering projects and related fields, including site and roadway design. He specializes in the design of stormwater management facilities; treatment system design and permitting; roadway design; development, subdivision and street planning and design; and water distribution and wastewater and reuse systems design. Mr. Hart's professional engineering experience includes working with firms that provide services for both the Leon County and the City of Tallahassee. Mr. Hart has worked on major FDOT roadway projects in both the planning and the design phases. He has also worked with numerous private developers on site development design projects.

Prior to joining Chastain Skillman, Mr. Hart was a Senior Project Manager in responsible charge on multiple projects for an engineering consulting firm. He provided services to both Leon County and the City of Tallahassee as the consultant's Project Manager on the projects listed below.

Chastain Skillman proposes Alan Hart, PE, as the Program Manager for this Engineering Services Continuing Services Contract. Mr. Hart has been managing projects successfully for the past ten years. As Program Manager, he will be responsible for the scoping, budgeting and scheduling of each new task assignment. He will be responsible for the design and/or management of each assignment to assure that it complies with the approved objectives, delivery schedule and budget. Most importantly, Mr. Hart will work closely and communicate effectively with the County to assure that the resulting assignment deliverables meet the County's stated objectives.

RAYMOND TUCKER ROAD DRAINAGE PROJECT, PHASE I & II

Project Type: County | **Cost:** \$165,000

Responsible for the existing and proposed conditions model for a 2300 acre drainage basin that flows to Lower Lake Lafayette. Also responsible for the re-design of the cross-drains located beneath Raymond Tucker Road, Golden Pheasant Drive, E. Windwood Way and Weeping Willow Way. During Tropical Storm Faye, these roads were overtopped by stormwater runoff from the storm. The proposed conditions model was developed to determine new size of the cross drains under these roads to alleviate overtopping in a similar future event.



Wallace R. Cauthan, P.E.

Vice President of Civil Engineering

- 31 years with Chastain Skillman, Inc.
- 36 years in the Industry

Education:

- The Citadel
BS Engineering
- FDOT
Bridge Inspection Training
- FDOT
Advanced Maintenance of Traffic Certification

Areas of Expertise:

- Stormwater and Drainage Design
- Roads and Highways
- Municipal Engineering
- Linear Utilities/Water and Wastewater
- Parks and Recreation Projects
- Educational Facilities
- Local, State and Federal Permitting
- Project Management

Clients Have Included:

- Highlands Co. BOCC
- Polk Co. BOCC
- Hardee Co. BOCC
- City of Bartow
- City of Avon Park
- City of Sebring
- City of Frostproof
- Florida Dept. of Env. Protection, Division of Parks and Recreation, Bureau of Design and Construction
- South Florida Community College
- Lowes
- Home Depot
- Habitat for Humanity
- Tanglewood Mobile Home Community (John Greytak)
- Highlands Ridge Associates, Inc.

Active Registrations:

- Registered Professional Engineer (Florida #25763)
(North Carolina #13081)
(Georgia #015837)

HIGHWAYS & DRAINAGE

Served as Civil Project Manager and Lead Civil Engineer on a variety of roadway widening and highway construction projects in Central Florida. Clients have included both cities and counties. These projects have ranged from initial PD&E Studies evaluating roadway corridors to preparation of design and construction drawings. Each of these projects has presented unique permitting issues ranging from threatened and endangered species to noise studies. All of these projects have had drainage related issues of concern. Designed and permitted projects in the South, Southwest, St. Johns and North Florida Water Management Districts. Tasks have ranged from design of the storm water conveyance systems to modeling of the storm water management systems.

COUNTY/MUNICIPAL ENGINEERING

For approximately 15 years served as the County Consulting Engineer for Highlands County. In that capacity served as an extension to the County Manager and County Engineer dealing with a full range of issues that confronted the staff on a daily basis. These assignments could range from dealing with a flooding problem at a local residence to assisting with annual budget development to Commission presentations on engineering topics. Supplemented County staff on the design of miscellaneous intersection and drainage improvements as dictated by their needs. Also served in this role for several small communities in central Florida.

LINEAR UTILITIES/WATER AND WASTEWATER

Civil Project Manager and Lead Civil Engineer on many linear utility projects over the past thirty years. These projects have ranged from relocation of water and wastewater utilities for roadway widening projects to extension of natural gas mains to new industry locating in the area. In addition to design services, these projects included utility permitting and construction management.

PARKS AND RECREATION PROJECTS

Over the last five years designed seven recreation and park projects in Central Florida. These projects have ranged from passive parks on environmentally sensitive tracts to active parks having baseball, softball, football and soccer facilities. Clients have ranged from the Florida Department of Environmental Protection and the Florida Fish and Wildlife Conservation Commission to the Water Management Districts and local municipalities.



Kyle E. Schilling, P.E., BCEE, D.WRE, Distinguished Member ASCE

Senior Advisor - Water Resources

- 3 years with Chastain Skillman, Inc.
- 47.5 years in the Industry

Education:

- Pennsylvania State University
BS Engineering
- Professional and Technical Development Courses; taken and conducted
- Federal Executive Institute

Areas of Expertise:

- Regional and Basin Planning
- Flood /Stormwater Management & Planning
- Water Supply Planning
- Multi-purpose and Interdisciplinary Planning and Studies

Clients Have Included:

- General Public, legislative and administration bodies for state and Federal agency products
- Primarily local and state entities for consulting work
- Professional water resources community for professional societies volunteer work

Active Registrations:

- Registered Professional Engineer (Nebraska E-2841)
- Diplomat American Academy of Environmental Engineers
- Diplomat American Academy of Water Resources Engineers (member Board of trustees)

STUDY DESIGN, PLANNING AND MANAGEMENT

Project Type: Institutional/Governmental

Size: Local-National | **Cost:** \$6K-\$multi-million

Directed and performed regional, basin and large scale multi-disciplinary, multi-objective and multi purpose water resources studies. Studies included water resources systems operation, planning and policy development for industrial, public and agricultural water supply, drought, flood and stormwater management, environmental, water quality, recreation, natural systems, wetlands, navigation and hydropower from an integrated water resources management perspective.. Experience at state, Federal and executive agency levels of government, consulting for various clients and as an active office holder in several engineering, environmental, water resources and public works organizations.

Examples of the range of personal past and present work include:

- Leader White House Drought Appraisal Group, 1977. Executive Office of the President.
- Expert panelist reviewing New York City Department of Environmental Protection's Operations Support Tool to improve operations of the city's water supply system, 2011. (NYCDEP & Hazen & Sawyer)

FLOOD AND STORMWATER MANAGEMENT

Project Type: Institutional/Governmental

Size: Local-National | **Cost:** \$10k-\$multi-million

As Director of the US Army Corps of Engineers Institute for Water Resources(IWR) provided leadership for many aspects of flood management project and program development, including social, economic and environmental impacts, as well as, hydrologic techniques and applications. Provide oversight management and leadership to the US Army Corps of Engineers Hydrologic Engineering Center(HEC) through a subordinate Director. The HEC models are the world standard for hydrologic analysis.

Examples of the range of past and present work include:

- Principle author National Council on Public Works Improvement - the Nation's Water Resources, 1989 (Specific chapters on Flood Control and Stormwater Management. Presidential Council.
- Floodwarning programs analysis for Washington State, 2010. (West Consultants)
- Scientific Resolution Panelist for the Federal Emergency Management Agency(FEMA) to perform independent review of scientific and technical data when a community challenges proposed FEMA flood elevations during the regulatory review period (2010).



Wendy G. Contner, PE

Project Engineer - Stormwater (ERP) Design and Permitting

• 6 years with Chastain Skillman, Inc.

• 6 years in the Industry

Education:

• University of South Florida
BS Civil Engineering

Areas of Expertise:

- Stormwater and Drainage Design
- Hydrological Studies and Floodplain Mapping
- Water Use Permitting

Clients Have Included:

- The Ruthvens, Inc.
- Lakeland Christian School, Inc.
- Publix Super Markets, Inc.
- The Drummond Company, Inc.
- Polk County School Board
- Habitat for Humanity
- Polk County
- City of Bartow
- City of Auburndale
- Pulte Home Corporation
- Central Maintenance and Welding, Inc.
- Fields Motorcars of Florida, Inc.

Active Registrations:

- Registered Professional Engineer (Florida P.E. #70604)
- LEED Green Associate (ID # 10626154)

STORMWATER, DRAINAGE AND SITE DESIGN

Project Type: Commercial/Residential/Institutional/Municipality

Size: 0.5 acre - 300 acres | **Cost:** \$30,000 - \$200,000 +

Performed stormwater management design services for commercial, residential, institutional and industrial land development projects. This has included stormwater master planning, multi-phase designs, multiple interconnected pond systems, hydrologic and hydraulic modeling and nutrient loading calculations. Interfaced with permitting through the local regulatory and review agencies, including the Water Management Districts, local municipalities, FEMA, FDOT and FDEP. Provided post-construction stormwater compliance and re-certifications with the various regulatory and review agencies. Design software familiarity includes Ponds, ICPR, Hydraflow, StormCAD and AutoCAD.

HYDROLOGICAL STUDIES & FLOODPLAIN MAPPING

Project Type: Commercial/Residential/Institutional

Size: 18 acres - 2,000 + acres | **Cost:** \$10,000 - \$100,000 +

Performed hydrological analysis and flood plain modeling for land development projects ranging from one (1) acre to 2,000 acres. This has included pre-and post-development modeling, floodplain encroachment and compensation calculations and establishment of Base Flood Elevations for FEMA map amendments.

WATER USE PERMITTING

Project Type: Commercial/Residential

Size: 2 - 100 acres + | **Cost:** \$6,000 - \$20,000

Provided water use permitting services to obtain permits from the Water Management Districts. The process includes data collection, beneficial need justification, water conservation plans and irrigation quantity modeling (AGMOD).



Kristen M. Buzzanca, J.D.

Corporate Contracts Administrator

- 2 years with Chastain Skillman, Inc.
- 10 years in Private Practice as Commercial Litigator

Education:

- Stetson University College of Law
Juris Doctor, cum laude
- University of South Florida
BA

Areas of Expertise:

- QA/QC
- Code/Regulatory Compliance
- Civil and Commercial Litigation

Clients Have Included:

- Lake Alfred
- Town of Dundee

Active Registrations:

- Member, The Florida Bar
- Member, Lakeland Bar Association
- Admitted U.S. District Court for the Middle District of Florida
- Graduate of Leadership Winter Haven

QA/QC (QUALITY ASSURANCE/QUALITY CONTROL)

- Review, revise and negotiate contracts
- Review requests for proposals and bid submittals
- Propose alternative structures to mitigate risks
- Monitor all quality related activities on the project
- Prepare project quality system management documentation prior to project commencement
- Review quality inspection personnel qualifications and training requirements
- Recommend and implement improvements when required
- Attend client quality management meetings
- Coordinate all quality related correspondence with client representatives
- Review and respond to client concerns

CODE/REGULATORY COMPLIANCE

- Implement organizational policies, standards and procedures to comply with applicable codes and regulations
- Respond to inquiries from regulatory agencies



Stephen D. McConn, PE

Regional Office Manager - Lakeland Office

Senior Consultant - Civil Engineering Department

- 3 years with Chastain Skillman, Inc.
- 18 years in the Industry

Education:

- The Georgia Institute of Technology
Bachelor of Civil Engineering

Areas of Expertise:

- Feasibility studies, entitlement, design, permitting, and construction support for land development projects, including stormwater facilities, wastewater treatment, off-site utility extension, and roadway improvements

Clients Have Included:

- Drummond Company
- Florida Southern College
- City of Bartow
- City of Lake Alfred
- City of Atlanta
- Fulton County Public Works
- Forsythe County Public Works

Active Registrations:

- Registered Professional Engineer: Florida #67840; Georgia #25186; Alabama #26661-E; Ohio #61834

STORMWATER, DRAINAGE AND SITE DESIGN

Project Type: Commercial/ Residential/Industrial/Institutional/Municipal

Size: 0.5 Acre - 3,000 Acres | **Cost:** \$15,000 - \$3,000,000

Performed stormwater project management and design service for commercial, residential, industrial, institutional, and municipal projects. This has included stormwater master planning, phased design, interconnected pond systems, underground storage systems, hydrologic and hydraulic modeling, water quality enhancements, culvert design, earthen dam rehabilitation, emergency spillway repair and reconstruction, and dam breach analysis. Coordinated projects with local, state, and federal review agencies, including the Water Management Districts, FDEP, GA EPD, ACOE, EPA, and FEMA.

HYDROLOGICAL STUDIES

Project Type: Commercial/Residential/Industrial

Size: 200 Acres - 3,000 Acres | **Cost:** \$100,000 - \$1,000,000

Performed hydrological analysis for several large land development projects ranging from 200 Acres to 3,000 Acres. This included preliminary design on a 2,400 acre site of mixed use development in an environmentally sensitive area where low impact design practices, including bio swales, terraced stormwater trenches, dry infiltration ponds, and subsurface infiltration drains were all considered.

CONSTRUCTION MANAGEMENT AND OVERSIGHT

Project Type: Residential/Industrial

Size: 100 Acres - 3,000 Acres | **Cost:** \$100,000 - \$1,000,000

Provided construction management and oversight on several large restoration projects. This included a full dam rehabilitation on a 30 acre lake to stabilize the dam's structure and increase the width to allow a road to be constructed across the dam. Additional projects included the redesign and analysis of a 15 acre stormwater retention pond after existing dam breached during a major rainfall event. Existing siphon system was determined to be insufficient and a gravity outfall was designed and constructed with an emergency spillway in the event of system failure. Managed the design and construction of several streambank restoration projects where the stream buffers were impacted by local development and the natural systems were showing degradation. These projects were permitted through the local issuing authority and the GA EPD.



Christopher B. Sipe, P.E.

Senior Project Manager

- 23 years with Chastain Skillman, Inc.
- 26 years in the Industry

Education:

- University of Florida
BS Civil Engineering

Areas of Expertise:

- Site Development Engineering and Project Management
- Stormwater Design and Analysis
- Roadway Improvements
- Subdivision Design
- Commercial Complexes
- Industrial Parks
- Utilities Design
- Municipal Parks

Clients Have Included:

- The Drummond Company, Inc.
- The Ruthvens, Inc.
- Madonia Tomato Processors
- IMC Fertilizer, Inc.
- CF Industries, Inc.
- City of Auburndale
- City of Winter Haven
- City of Bartow
- City of Lakeland
- Polk County
- Sun 'n Fun EAA Fly-In, Inc.
- Watson Clinic
- Lakeland Regional Medical Center
- Century Realty Funds, Inc.
- La Quinta Inns, Inc.
- Diocese of Orlando
- Victory Assembly of God
- St. Pauls Lutheran Church
- First United Methodist Church
- Private/Individual Developers
- Major Supermarket Chain (Confidential Client)

Active Registrations:

- Registered Professional Engineer (Florida PE #42751)

CONSTRUCTION SERVICES

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 100+ acres | **Cost:** \$10,000 - \$4+m

Performed reviews of construction activities for compliance with plans and permit requirements. This included review of submittals and shop drawings, progress pay requests, and general compliance with the plans and specifications.

STORMWATER DESIGN AND ANALYSIS

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 2,000+ acres | **Cost:** \$20,000 - \$250,000

Provided services relating to the design and analysis of stormwater management systems for land development projects including commercial, industrial, residential, and municipal projects. Projects range from minor, single retention area systems to multi-phase, multi-pond, interconnected systems. Services included design, permitting, and implementation. Examples of regulatory agency involvement includes: local municipalities, water management districts, FEMA, FDEP, ACOE, and FDOT.

SITE DEVELOPMENT ENGINEERING AND PROJECT MANAGEMENT

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 200 acres | **Cost:** \$15,000 - \$250,000

Project manager for land development projects including commercial, industrial, residential, and municipal projects. Services included the design, analysis, and permitting for stormwater management systems, site layout, utilities (water and wastewater), streets, drainage, storm sewer systems, earthwork, grading, etc.



Arthur D. Wade III, PWS

GIS Data Management; Wetlands and Habitat Delineation

- 10 years with Chastain Skillman, Inc.
- 16 years in the Industry

Education:

- Florida Southern College
BS Biology

Areas of Expertise:

- Wetlands delineation, mitigation, and permitting
- Gopher Tortoise surveys and permitting
- Seasonal High Water Table (SHWT) determination
- Geographic Information System (GIS) applications
- Wetland monitoring

Clients Have Included:

- ALMY, Inc./ADVIGO
- Central Beef
- Century Realty
- City of Auburndale
- City of Bartow
- City of Eagle Lake
- City of Frostproof
- City of Lakeland
- City of Mulberry
- City of Tallahassee
- City of Wauchula
- Highlands Enhancement, Inc.
- Jacksonville Electric Authority
- Parsons Brinckerhoff Quade & Douglas
- Publix Supermarkets, Inc.
- Polk County
- Ruthven Real Estate
- USS Real Estate

Active Registrations:

- Professional Wetland Scientist (#1799)
- Certified Florida Department of Environmental Protection (FDEP)
- Erosion and Sediment Control Inspector (#11599)
- Gopher Tortoise Authorized Agent (FWC Permit No. GTA-09-00247)

GIS APPLICATIONS

Project Type: Commercial/Residential/Institutional/Municipal

Size: over 500 projects | **Cost:** Over \$150,000

Developed GIS databases and plotted geospatial characteristics using ARCEditor that have involved land development permitting and design, due diligence, utility relocations, and roadway improvement projects. This has included downloading data from the public domain, combining that with empirical data collected during site investigations, and developing data layers to increase the utility of relevant information to improve site design.

WETLANDS DELINEATION, MITIGATION, PERMITTING, AND MONITORING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 0.1 acres - 200 acres | **Cost:** \$3500 - \$50,000

Performed wetlands delineation at more than 100 sites within the South Florida, Southwest Florida, St. Johns River, and North Florida Water Management Districts (WMDs). This included undeveloped and developed sites, and involved close coordination with WMDs and the Florida Department of Environmental Protection. These activities have been conducted in accordance with established Federal and State wetland methodologies. Types of projects supported by these activities have included: commercial and residential land development; municipal water, wastewater, and stormwater utility projects; roadway design; and electric transmission corridor design. Performed site investigation activities to determine SHWT through the use of vegetative, hydrologic, and hydric soil indicators for wetlands delineation.

GOPHER TORTOISE SURVEYS AND PERMITTING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 5 acres - 200 acres | **Cost:** \$5,000 - 50,000

Authorized Gopher Tortoise Agent for surveying gopher tortoise habitats, assessing habitat quality, determining potential impacts of development on habitats, and permitting for capture and relocation to suitable alternative habitats.



Lisa Strine Lassi, PE, CDT

Specifications & Permitting

- 31 years with Chastain Skillman, Inc.
- 31 years in the Industry

Education:

- University of South Florida
ME
- University of South Florida
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design, permitting, and construction
- Administration of water and wastewater projects

Clients Have Included:

- City of Auburndale
- City of Bartow
- Century Realty Funds, Inc.
- Drummond Coal Company
- Highlands County
- City of Mulberry
- Villages of Highlands Ridge
- City of Avon Park

Active Registrations:

- Registered Professional Engineer
(Florida P.E. #44157)
- CSI Certified Construction Documents Technologist

WASTEWATER STUDIES AND DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Contributing engineer for design of a new 2.0 mgd Sequencing Batch Reactor wastewater treatment facility. Managed preparation of Operation and Maintenance Manual for regional wastewater treatment facility. Developed wastewater residuals land application management plan. Designed lift station improvements to include conversion from dry well to wet well with submersible pumps. Managed design and construction of pump stations and sanitary sewer rehabilitation.

SPECIFICATION PREPARATION

Project Type: Municipal/Commercial/Institutional/Industrial

Size: NA | **Cost:** \$250,000 - \$10,000,000

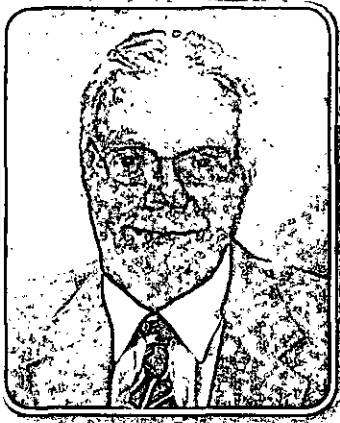
CSI Certified Construction Documents Technologist has responsibility for preparing Contract Documents following EJCDC format and technical specifications for all environmental engineering projects. Responsible for maintaining and updating both the EJCDC Construction Documents and CSI Masterformat system. Updates master technical specifications as required to keep current with industry standards.

PERMITTING

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$5,000 - \$80,000

Prepared a wide variety of permitting services, including NPDES industrial stormwater and compliance, Water use, Collection systems and pump stations, dredge and fill, and wastewater treatment plants.



Harry Robert Losh, Jr.

Project Manager - Tallahassee Office

- 25+ years with Chastain Skillman, Inc.
- 41 years in the Industry

Education:

- Polk Community College
AS Pre-Engineering

Areas of Expertise:

- Permit coordination
- Utility and construction coordination
- Roadway and piping system design

Responsibilities:

Project Coordinator for designing streets, drainage systems, water systems, and sanitary sewers; researching existing utility records and coordinating designs with utility companies; completing permit applications (i.e., DOT Driveway and Utility permits, Polk County Utility permits, Septic Tank permits, Water System Construction permits, Wastewater System Construction permits), and coordinating information between governmental agencies, engineering, drafting, and survey departments.

Active Registrations:

- Registered General Contractor - Florida (License #RG0045960) [inactive]
- FDEP Qualified Stormwater Management Inspector
- Certified Asbestos Inspector

CITY OF TALLAHASSEE

Miscellaneous water and wastewater system extensions and relocations associated with roadway projects. Lead designer for Pump Station renovations and piping revisions.

HOLMES COUNTY

Lead Designer for CDBG-funded Rum Road Improvements to include preparation of construction documents for paving, shoulder and drainage improvements for a 3.3 mile long existing clay stabilized road.

CITY OF LAKELAND

Lakeland/Auburndale water system interconnect; misc. water and sewer relocations for F.D.O.T. roadway projects; English Oaks Wastewater Force Main- Approximately 7 miles in length of up to 30" pipe.

BENEFICIAL COMMUNITIES

Lead Designer for 80-unit, single-family residential development in Marianna, Florida including layout and design of roadways and drainage, water distribution system, wastewater collection and pumping system and site grading, permitting and coordination with jurisdictional agencies.

CHIPOLA AIRPARK

Lead Designer for 55-acre private residential air park in Greenwood, Florida including design of combination driveways/taxiways around the perimeter of a grassed runway and associated storm water collection system, and design of water distribution system.

CITY OF AUBURNDALE

Miscellaneous water and wastewater system extensions; Lake Stella walkway; agency coordination; water plant renovation; miscellaneous F.D.O.T. Joint Project Agreement projects; Master wastewater transmission mains supplying new regional wastewater treatment facility.

JACKSONVILLE ELECTRIC AUTHORITY (JEA)

Site grading and drainage and piping layout for Blacks Ford and Ponte Vedra wastewater treatment plant expansions.

CITY OF BARTOW

Effluent reuse force main to new Florida Power Corporation site

TOHO WATER AUTHORITY

Site paving layout, grading and drainage design; plant piping layout



Ted R. Fylstra

Project Funding Specialist

- 1.5 years with Chastain Skillman, Inc.
- 33 years in the Industry

Education:

- New Jersey Institute of Technology/Newark College of Engineering
- BS Industrial Engineering

Areas of Expertise:

- Funding Strategies
- Funding Research and Analysis
- Funding Application and Agreement
- Grant/Loan Administration
- Grant/Loan Compliance
- Monitoring
- Reporting Requirements
- Client Relations Management
- Audit Assistance

Clients Have Included:

- City of Bartow
- City of Belleview
- City of Fort Myers
- City of Frostproof
- City of Lake Alfred
- City of Marco Island
- City of Plant City
- City of Sarasota
- City of Wauchula
- Sarasota County
- Collier County

FUNDING SERVICES

Project Type: Municipal

Cost: Grants/Loans ranging from \$50,000 to \$140 million for 25+ communities

Grant/Loan Planning and Application Development:

Conduct a series of meetings with community representatives to determine and develop a comprehensive list of community-wide funding needs. Perform a Funding Analysis for this list resulting in a document providing potential funding sources and a strategy to maximize funding opportunities. Presentations to staff and management are conducted to finalize and adopt the plan.

Grant/Loan Application and Agreement:

Gather and collate information, prepare applications, and coordinate required community approvals. Coordinate with the funding agency to assure application is acceptable for the program. Coordinate the community agreement execution process.

Planning Requirements:

When the funding program requires a pre-construction planning process, manage and/or prepare the financial, environmental, technical and non-technical documents required to obtain environmental and financial approval of a project from State and/or Federal agencies. Coordinate the Public Hearing adoption process.

Administration:

Manage and coordinate the administration of the grant/loan with the community staff, consulting engineers, and funding agencies to ensure all agency grant/loan requirements are met, all expenses and revenues are properly reported, and successful audits are accomplished through the preconstruction, bidding, construction, disbursement, reporting, and close-out phases of the project.

Level of Assistance:

In the last ten years, efforts have resulted in excess of \$1.5 billion in funding for clients.



**Stormwater Engineering
Moore Bass Consulting SF 330**

Moore Bass

C O N S U L T I N G

Moore Bass Consulting, Inc. is an established professional company of engineers, land planners, surveyors, landscape architects, transportation planners, development consultants and experienced support personnel.

Founded in Tallahassee in 1991 by Richard A. Moore, P.E. and Karen K. Bass, P.E., Moore Bass has grown throughout the region to serve a wide range of land development consulting needs with offices in Tallahassee, Destin and Atlanta. Our pledge is to remain focused on each client's needs, assuring the highest measure of project success, from concept planning to construction completion and occupancy.

Moore Bass Consulting provides land planning, zoning, surveying, professional engineering and landscape architecture services for site development, roadway, drainage, water, wastewater and utility needs of both private and public clients. Our professional staff has extensive experience in all types of environmental permitting and civil engineering projects including site design, roadway systems, drainage systems, water distribution systems and sewage collection systems. We have the expertise and resources to respond efficiently to the specialized needs of public agencies and private land development interests.

Our clients include local, state, and federal government agencies as well as military, institutional, and industrial clients. Our design professionals are registered in Florida, Georgia, and Alabama and work regularly with a range of design conditions and permitting agencies. Our record of permitting projects proves that our system of preparation, planning, strategy development, project team organization, and execution yields results.

RELEVANT SURVEY EXPERIENCE

Stormwater Engineering

- Tallahassee Memorial Hospital, 1300 Miccosukee Road, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided a field-run boundary and topographic survey, for future expansion of hospital.
Client:	Tallahassee Memorial Hospital Bill Giudice 1300 Miccosukee Road Tallahassee, FL 32308 (850) 431-5238
Completion Date:	August 2009
Project Manager:	Rick Moore/ Danny Davis

- Canopy, Welaunee Boulevard, Tallahassee, FL

Scope of Work:	Moore Bass Consulting prepared a topographic survey for stormwater design of a multi-phase 1,000-acre Planned Use Development.
Client:	CNL Tim Edmond 525 North Calhoun Street Tallahassee, FL 32301 (850) 893-9900
Completion Date:	January 2011
Project Manager:	Rick Moore/ Danny Davis

RELEVANT SURVEY EXPERIENCE (Cont'd)

- Mahan Commercial, Southwest Corner of Mahan Drive & Capital Circle NE, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for proposed retail development and associated stormwater design.
Client:	The Ferber Company 151 Sawgrass Corners Drive, Suite 202 Ponte Vedra Beach, FL 32082 (904) 285-7600
Completion Date:	December 2008
Project Manager:	Eddie Bass/ Danny Davis

- Alexan Apartments - Surveying for development of an apartment community, and associated stormwater design - 1939.001 - 2008-2010

Scope of Work:	Moore Bass Consulting prepared a boundary and topographic survey for design of a 26-acre (+/-) multi-family development.
Client:	Trammel Crow Residential Alan Kolar 200 East Robinson Street, Suite 210 Orlando, FL 32801 (407) 608-7300
Completion Date:	November 2007
Project Manager:	Eddie Bass/ Danny Davis

Years Experience: 28

With Current Firm: 20

Education:

University of Florida,
Gainesville, FL 1983
Graduated with Honors

Professional Registrations:

Florida Professional Engineer, 38745

Georgia Professional Engineer, 22434

Alabama Professional Engineer, 23962

Colorado Professional Engineer, 36029

Professional Organizations:

American Society of Civil Engineers, Past Florida Section Board of Directors, Past Tallahassee Branch President

Florida Engineering Society Member

Leadership Tallahassee Class XXVIII President

Tallahassee Memorial Hospital Board of Directors

General Qualifications

As an Owner and Partner, Mr. Moore has a deep commitment to Tallahassee community involvement ensuring strong working relationships with government and private sector interests.

He has a high level knowledge of trends, policies and ordinances governing land use, land development, roadways, utilities, site design and permitting. Mr. Moore has an extensive background in Engineering Design including; Private and Municipal Roadway and Drainage Systems; Subdivision Design; Drainage Studies and Analysis including design of Regional Stormwater Facilities.

Mr. Moore is experienced in Campus Master Planning; Site Planning and Design including Shopping Centers, Apartment Complexes, Banks, Service Stations, Office Parks and Golf Course Community Planning and Design, Rezoning representation; Comprehensive Plan Amendment and DRI Consulting.

Mr. Moore's Project Management experience includes Contract Administration/Control, Plan Compliance Inspection and Field Supervision, Design of Sewer Collection Systems, Sewer Pump Station and Force Mains systems, Septic Tank and Drainfield Systems, Water Supply and Water Distribution Systems.

Mr. Moore's Permitting experience includes Zoning and PUD approvals 163 Local Government Development Agreements, Traffic and Stormwater Concurrency Approvals, Local Planning and Zoning Department Site Plan Approvals; Subdivision Plat Approvals; Environmental Assessment Approvals; Environmental Impact Analysis Approvals; Environmental Permitting, including: NPDES Permitting, C.O.E. Permitting, Wetland Mitigation/Restoration, F.D.E.P. Dredge and Fill, F.D.E.P. 62-25 Stormwater Discharge, Local Government and Water Management District Stormwater Permitting; Landscaping Permitting; D.O.T. Drainage/Driveway Connection Permitting; and NWFWM Dam Modifications and NWFWM ERP, ACOE LOMA and CLOMA approvals.

Areas of Expertise:

- Land Development Consulting
- Roadway and Drainage Design
- Environmental Permitting
- Project Master Planning
- Project Management
- Contract Administration
- Development Agreements and Zoning
- Governmental Consulting

Representative Projects:

**State Satellite Office Complex for the State of Florida
Department of Management Services - Tallahassee, FL**

Client: State of Florida - Master Plan Phases I-III including Development and Regional Impact for 95 Acre Site; Planned Unit Development for 1.4 Million sq. ft. Office Expansion; Phase III Master Plan and Site Planning; Utility and Infrastructure Master Planning; Preparation of Development Design Standards; and Transportation Planning.

Florida State University - Campus Stormwater - Tallahassee, FL

Client: Florida State University - Phase I, II and III FSU Box Culvert Design; 6,000 ft Box Culverts; Coordination of Utility Relocation; Drainage Modeling; Flood Study; Site Rehabilitation; and Landscaping and Pedestrian Conveyance.

Connor Boulevard, Tallahassee Florida

Client: Piney Z CDD/City of Tallahassee - Four Lane divided cross section from Apalachee Parkway to Trojan Trail including bike and pedestrian plans. Joint City funded / Developer Funded Project.

Market Street, Tallahassee Florida

Client: 3 lane commercial city street from Thomasville Road to Timberlane Road, utilities and stormwater design.

Sharer Road and Allen Way, Tallahassee Florida

Client: 3 lane commercial city street from North Monroe Street to Fulton Road, utilities, mass grading for adjacent commercial site and stormwater design.

Surgeon's Drive, Tallahassee Florida

Client: Tallahassee Memorial Healthcare - 3 lane commercial city street from Miccosukee Road to Physicians Drive including retrofit of existing Physician's Drive segments and design of utilities and storm water conveyance systems. Master storm water facility.

Piney Z Residential Community - Tallahassee, FL

Client: Conner Development - 390 acre Planned Unit Development; Doyle Conner Boulevard Design; Coordinate Major Utility Connections; Sanitary Sewer Pump Station Design; Force-Main Design; and Water System Design.

Summit East Office Community on U.S. 90 East - Tallahassee, FL

Client: Terra Vista, Inc. - Master Plan and Permitting for 116 Acre Commercial/Office Subdivision; Regional Stormwater Facility and Wetland Design; Utility Design and Infrastructure; Entrance and Round-a-bout Design; Entrance Sign, Fountain and Recreational Trail; Landscape Architecture and Irrigation Design; and Common Area Plaza and Boardwalk Design.

Tallahassee Memorial Healthcare - Bixler Emergency Center/Women's and Children's Center & Professional Office Building - Tallahassee, FL

Client: Tallahassee Memorial Healthcare - 100 acre Master Plan for Medical Campus; Develop

Planned Unit Development for 80 acre Medical/Office Campus; New Parking Garage and Surface Parking; Major Utility Design; Stormwater Master Planning; Preparation of Design and Guidelines for Master Plan; and Landscaping and Pedestrian Corridor Design.

Maclay Preparatory School Master Plan and Continuing Services - Tallahassee, FL Client: Maclay School - Master Plan for 100 acre site; Media Center; High School Pod; Master Stormwater Conveyance Design; Soccer Field and Tennis Court Design; Middle School Expansion and Parking Expansion.

Southeastern Urological Center - Centre Point Boulevard - Tallahassee, FL Client: Southeastern Urological Center - Site Planning per DRI Requirements; City of Tallahassee Design Criteria; Handicap Accessibility; Major Utility Design; Landscape Requirements; and Drainage to Master Stormwater Facility.

The Farm Residential Community on Lower Bridge Road - Wakulla County, FL Client: Millard Noblin Realty - 142 Acre Single Family, Multi-Family, Commercial/Office Subdivision; Major Utility Design and Infrastructure; Master Stormwater Facility Design; On-site Sanitary Sewer Pump Station Design; and Common/Open Space with Hiking and Nature Trails.

Killearn Estates Units 25, 39, 40 and 41 - Tallahassee, FL Client: Killearn Properties - Over 200 acres and 4 miles of residential street, utility design, permitting and platting.

Eagle's Ridge at Golden Eagle, Leon County Florida Client: Twin Action Realty - Over 150 single-family residential units, residential street design, central utilities, master stormwater facilities, part of an active DRI.

Golden Eagle Units 5 and 6 Client: Killearn Properties- Over 100 single family residential units, residential street design, central utilities, master stormwater facilities.

Killearn Lakes Plantation Units 5, 6, 7 and 8 Client: Killearn Properties - Over 150 single family residential units, County Maintained roadways, residential street design, central utilities, onsite stormwater facilities.

Community Service:

TMH Board of Directors, 2007-Present

Tallahassee Community College Foundation, Board of Directors, 2001-Present

Leadership Tallahassee, Class XVI, Class Chairman, 1998- Present

Leadership Tallahassee, Board Member 2004-2007, Treasurer 2006-2007

Tallahassee-Leon County Chamber of Commerce, Board of Directors, 1999-2007

Economic Development Council, Board Member, 1996-2007

Leadership Florida Class XXII, 2003-2004

Tallahassee-Leon County Chamber of Commerce, Growth Management Committee Chairman, 2001-2002

	<p>Tallahassee-Leon County Chamber of Commerce World Class Schools, Chairman, 2000-2001 Holy Comforter School Board, Member, 1997-2000 City of Tallahassee Architectural Review Board- Past Chairman, Past Member, 1993-1997 Historic Tallahassee Preservation Board, Past Chair, Trustee, 1996-1997 Leon County Contractor's Licensing Board- Past Chair, Past Member, 1993-1997 Tallahassee-Leon County Planning Department, Zoning Code, Citizens Advisory, 1996 Leon County Code Enforcement Board, Past Chairman, Past Member, 1988-1993 Capital Rotary Club, Past President, Paul Harris Sustaining Member, Member since 1983</p>

Years Experience: 35

With Current Firm: 20

Education:

BS Civil Engineering,
University of Florida

Professional Registrations:

State of Florida,
Professional Engineer,
#31902

State of Georgia,
Professional Engineer,
#20704

State of Alabama,
Professional Engineer,
#23667

State of Mississippi,
Professional Engineer,
#18663

State of Florida,
Certified Building Contractor,
CBC # 1250953

Professional Organizations:
Florida Engineering Society

General Qualifications

Ms. Bass is a professional engineer with 33 years of consulting and design experience. She is registered in the states of Florida, Georgia and Alabama. Her engineering experience includes stormwater master planning, drainage system design, sanitary sewer collection systems, sewerage pump station design, potable water distribution, urban and rural roadway design, commercial and residential site design planning, development planning and transportation planning. Ms. Bass is also a licensed building contractor in the State of Florida.

Representative Projects:

Bainbridge College, Bainbridge, GA and Blakely, GA

Client: Georgia Board of Regents - Provided schematic design and construction documents for all improvements associated with construction of a Student Wellness Center on the Bainbridge College Campus and a Student Center Addition on the Early County Campus.

Florida State University Master Plan

Client: Florida State University- Planning of campus improvements and negotiation of development agreement with the City of Tallahassee. Scope included coordination of regulatory agencies, development of implementation strategies including entitlements and participation in the public hearing process.

Maclay School Master Plan, Tallahassee, FL

Client: Maclay School Tallahassee Florida- Master Planning of 100 acre school campus. Master Plan scope included traffic analysis, pedestrian and bicycle circulation, bus and vehicle separation, master storm water facilities, overall sanitary sewer and potable water. Managed project from board approval, through entitlements, zoning, construction documents and permitting with the City Of Tallahassee.

Maclay School Media Center and Gymnasium, Tallahassee, FL

Preparation of construction documents and construction administration for quadrangle to include media center and parking associated with new gymnasium.

Griffin Middle School, Tallahassee, FL

Client: Leon County School- Preparation of site construction documents for reconfiguration and separation of bus loop and parent loop. Grading and drainage of new general purpose ball fields.

Gilchrist Elementary School, Tallahassee, FL

Client: Leon County Schools- Preparation of construction documents for addition of turn lane to a public roadway and reconfiguration of interior school circulation to facilitate bus lanes and parent lanes.

Canopy Oaks Elementary, Tallahassee, FL

Client: Leon County Schools - Construction documents for all site improvements associated with construction of a new elementary school. Improvements included sidewalk and pedestrian circulation, car and bus circulation, general purpose playgrounds, utilities and stormwater conveyance and retention systems.

North Florida Community College, Madison FL

North Florida Community College Preparation of construction documents and construction administration for grading and under drain system for competitive baseball field.

Stadium Drive Tallahassee Florida

Client: Florida State University/ City of Tallahassee - Managed the preparation of construction documents including geometry, stormwater, utility and pedestrian design of a multi lane roadway replacing an in service existing urban roadway. Scope of service included site analysis, right of way acquisition, traffic analysis, MOT, intersection design, signal design, construction documents and construction administration utilizing a construction manager delivery.

Woodward Ave, Tallahassee, Florida

Client: Florida State University- Managed the preparation of construction documents for conversion of an existing vehicular roadway to a pedestrian corridor for three city blocks. Scope of service included traffic study, site evaluation, hardscape and landscape design, MOT, construction and bid documents and construction management.

Stormwater Master Plan Florida State University

Client: Florida State University- Prepared a campus wide stormwater analysis of existing stormwater conveyance system. Scope including site analysis of existing conditions, user group input to establish known problem areas and developed priority ranking system for system improvements. Scope included preparation of construction documents for identified improvements, coordination of regulatory agencies and permitting, bid and award of contract and construction administration.

Florida State University Stormwater Improvements

Client: Florida State University - Provided technical design services for Phase 3 drainage improvements within developed areas of campus. The drainage retrofit projects included design services for stormwater pipe upgrades, inventory and analysis of existing utilities and potential conflicts; review special needs program, address public safety and pedestrian circulation requirements. Prepared construction documents for the upgrades which included meeting the safety needs of campus users and special access requirements during construction activity.

Years Experience: 19

With Current Firm: 6

Education:

BS Civil Engineering, Florida State University, 1991

Professional Registrations:

Professional Engineer

Florida – 49400

Professional Organizations:

National Society of Professional Engineers

Florida Engineering Society

General Qualifications

Mr. Wynn is a Professional Civil Engineer with 17 years of experience. This experience offers a broad range of expertise in civil design and permitting while working with state and local agencies. Mr. Wynn's capabilities allow him to perform site planning and design work including residential subdivisions, multi-family apartments and condominiums, commercial retail/offices, as well as industrial. He has also permitted various single family and multi-family residential projects in Leon County and the surrounding areas.

His design experience includes, but is not limited to Project Management, Contract Administration, Plan Compliance Inspection, Field Supervision, Roadway and Drainage Systems, Local and Regional Holding Ponds, Site Planning and Design, Subdivisions, Shopping Centers, Apartment Complexes, Banks, Service Stations, Office Parks, Sanitary Sewer Collection Systems, Sanitary Sewer Pump Station and Force Mains.

Mr. Wynn's permitting experience includes but is not limited to Environmental Permitting, C.O.E. Permitting, DEP Dredge and Fill, FDEP Stormwater Discharge, FDEP Wastewater Collection, FDEP Water Distribution, NPDES Permitting, County/City Stormwater, Tree Removal, Landscape Permits, DOT Drainage/Driveway Connections, NFWMD Dam Modifications, Contractor Supervision and Project Management and Tracking.

Areas of Expertise:

- Project Management
- Civil Engineering Design
- Stormwater Master Planning and Retention/Detention Design
- City/County Stormwater, Utility Design
- Pump Station and Force Main Design
- Water Distribution Modeling and Design
- Construction Management

Representative Projects:

Site Development (Selected Examples)

Florida State University West Campus Dining Hall– Tallahassee, Florida Client: Florida State University – Provided Civil Engineering and Site Analysis, Project Management and Construction Administration of the West Campus Dining Hall, a 15,900 square foot facility consisting of a new kitchen/cafeteria with a seating capacity inside the facility of 360 and an additional 2,900 square feet of covered outdoor space to serve the dining facility needs of students, faculty, and staff.



**Florida State University
Psychology Center –
Tallahassee Florida**

Client: Florida State University - Provided Civil Engineering and Site Analysis and Project Management and Construction Administration of a 103,000 square-foot facility for faculty and students. The \$56 million building,

constructed in two phases, features a 220-seat auditorium, 54 faculty and administrative offices, 49 research laboratories including histology and molecular genetics labs, seven meeting rooms, six technology-enhanced classrooms, two student computer rooms, a conference room and a seminar room.

Tallahassee Gymnastics Center - Tallahassee, Florida

Client: EMO Architects – Provided Project Management for site, grading, drainage and utility plan for the 27,000-square foot facility includes a large gym with two competitive floor areas, floor pits and spectator seating for over 230. Other features include a separate preschool gym, dance studio, conference room and kindergym.

Air Traffic Control Tower - Tallahassee, Florida

Client: EMO Architects – Provided Project Management for the last project site grading, drainage and utility plan for Air Traffic Control Tower.

Connor Boulevard, Tallahassee Florida

Client: Piney Z CDD and City of Tallahassee - Provided civil engineering design for roadway project consisting of approximately 2 miles of a four lane, divided, major collector roadway. The extension connects the existing Conner Boulevard to Apalachee Parkway, a major arterial state highway. It also provides public access to two proposed Planned Unit Developments (PUDs) and Lincoln High School. Construction costs exceeded \$4 million and included three wetland crossing, a complex series of stormwater management facilities and a bicycle/pedestrian overpass to connect Lincoln High School with a public park and a bicycle/pedestrian path network.

Blairstone Court

Client: City of Tallahassee – Provided Project Management, Civil Engineering and Construction Administration for retrofitting the streets and drainage system in a private subdivision to meet city public works standards. Developed plans to overlay the existing asphalt paving on the subdivision roads and to extend the drainage system from the existing storm drain in the road to the ultimate outfall point. Some of the repaving included overbuilding the asphalt to redirect sheet flow. Particular effort was given to coordination on properly tying in the existing concrete driveways to the new. In addition, Moore Bass managed the environmental permitting effort

with the City Growth Management Department and confirmed the exempt status with FDEP for NPDES as well as a General Stormwater Permit.

Pump Station 70 at Timber Lake Subdivision

Client: City of Tallahassee – Provided Project Management and Civil Engineering for the relocation of an existing pump station out of a flood plain as well as expanding the pump station capacity for future development from surrounding offsite areas. The detailed work effort included projecting flows for existing and proposed contributing land areas and uses, pump selection and flow calculations, designing gravity and force main sanitary sewer, and FDOT driveway and utility permitting.

Community Service:

Committee to rewrite the City of Tallahassee Environmental Management Ordinance

Committee to revise the review procedures of the City of Tallahassee Development Review Committee

Member/Deacon, North Florida Baptist Church

Years Experience: 5
With Current Firm: 1.5

Education:

University of Florida,
Bachelor of Science in Civil
Engineering, 2004

Engineering College Dean's
List

Estridge Engineering
Scholarship and Florida
Academic Scholarship
recipient

**Professional
Organizations:**

Florida Board of
Professional Engineers
Engineer Intern
(#1100009403)

General Qualifications

Transportation Concurrency Analysis Mrs. Morgan assists the firm in the preparation of concurrency management system analyses for its clients. She has extensive experience in the concurrency implementation process, and has prepared concurrency analyses for a wide range of proposed uses, as well as assessed revisions to both the process and implementation of concurrency systems.

Traffic Analysis, Modeling, and Simulation Mrs. Morgan has conducted traffic analyses for a variety of projects. She has modeled traffic for numerous projects using Quick Response System (QRS), and has developed traffic simulation using Corsim/Netsim and SimTraffic for several proposed roadway projects. Mrs. Morgan has also managed extensive traffic signal analysis work using Synchro signalized intersection analysis software and Highway Capacity Manual methods of analysis.

Signal Warrant, Turn Lane, Roundabout, and Stacking Analyses Mrs. Morgan has performed signal warrants analyses, unsignalized and signalized intersection analyses, travel demand forecasting, roundabout analyses, turn lane warrants, stacking analyses, site access and circulation, safety/crash analyses, trip generation studies, and queuing analyses.

Campus Master Planning Mrs. Morgan has prepared the transportation elements for the master plans of universities. Such projects include the analysis of traffic impacts and the proposed mitigation cost of such impacts.

Developments of Regional Impact (DRI) Mrs. Morgan has been involved in several DRIs throughout Florida. She has been involved with the entire process of DRIs including the Preapplication Conference with all parties, preparation of the transportation study, and subsequent traffic monitoring and reports.

Areas of Expertise:

- Transportation and Land Use Planning
- Transportation Concurrency Analysis and Mitigation
- Traffic Impact Analysis
- Trip Generation Studies
- Campus Master Planning
- Development Review and Permitting
- Roadway and Intersection Design Details
- Site Plan Traffic Circulation
- Corridor Studies

Representative Projects:**Public Sector-Related Projects (Selected Examples)****Florida State University Campus Master Plan – Panama City, Florida and Tallahassee, Florida**

Client: Florida State University – Work involved the preparation of the transportation element of the Master Plan as well as analysis of transportation concurrency impacts and negotiation of a Campus Development Agreement to mitigate impacts. Work involved analysis of the Main Campus and the Southwest Campus in Tallahassee and well as the Panama City campus. Tasks also include analysis of significant bicycle/pedestrian issues, university parking requirements and campus traffic circulation.

Transportation Consulting – Crestview, Florida

Client: City of Crestview – Performed several tasks for the City, including analysis of comprehensive plan amendments, preparation of a traffic impact fee study, preparation of materials for a Level of Service variance for State Road 85, a Strategic Intermodal System (SIS) facility, and discussions with local, regional, and state review agencies.

School Sites Traffic Analysis – Tallahassee, Florida

Client: Leon County School Board – Performed analysis of vehicular, bicycle, and pedestrian issues for several school sites over extended period of time, including Roberts Elementary, Conley Elementary, Montford Middle, Apalachee Elementary, Lincoln High, Adult Community Education Center, and Gretchen Everhart School. Tasks include transportation concurrency analysis, operation analysis of external access points, and data collection and analysis of internal bus and student drop-off/pick-up issues.

Land Development Projects (Selected Examples)**Alys Beach – Walton County, Florida**

Client: EBSCO Industries – The project is a gulf-front traditional neighborhood design of 899 dwelling units, 180,000 square feet of commercial space, and a 64-room hotel. Provided transportation entitlement services through all phases of the process, beginning with the state Development of Regional Impact Binding Letter of Determination phase, then through the Planned Unit Development process, transportation concurrency analysis and mitigation negotiations, traffic operational analysis and permitting, and transportation assistance with technical documents.

Evening Rose – Tallahassee, Florida

Client: K2 Urbancorp Development Company – The project is a model for sustainable urban infill, incorporating commercial development on a major commercial corridor with housing at a range of price points, including inclusionary housing. Significant walkable community, with innovative sustainable design features such as parking management, certified green development techniques, bioretention stormwater facilities, and rain gardens as part of the residential stormwater component. Tasks included negotiating with development review

authorities to implement a Chapter 163 development agreement and land development regulation modifications to accommodate the development's transportation and concurrency innovations, traffic impact analysis, internal traffic circulation analysis, and signal warrant analysis and permitting.

Town of Hampstead - Montgomery, Alabama

Client: The Colonial Company – This project is a sustainable community with traditional neighborhood design of over 1,200 residential units and 400,000 square feet of commercial space. Analysis included issues associated with an embedded working farm and farmers market, offices and employment, and a wide variety of residential housing. The project scope included preparation of analysis and simulation of internal roadway circulation to identify potential transportation issues associated with proposed road layouts and assistance with related transportation and access issues.

Freedom Walk – Crestview, Florida

Client: Emerald Coast Partners, LLC – A development consisting of 489 dwelling units, 100,000 square feet of commercial space, and a 50,000 square foot YMCA. Transportation services included concurrency analysis and review for both the City of Crestview and Okaloosa County, operational analysis, and analysis of roadway improvements design criteria.

Red Hawk Ridge – Dawsonville, Georgia

Client: Knight Development – This work was the preparation of traffic impact analysis for this Georgia Development of Regional Impact (DRI). Tasks included transportation data collection, traffic impact analysis, modeling of affected town square traffic patterns, and operational analysis.

Fallschase – Tallahassee, Florida

Client: AIG Baker – This work included all aspects of transportation analysis for a change and subsequent development on this Development of Regional Impact (DRI) of approximately 1,500 dwelling units and 785,000 square feet commercial space. Tasks included transportation analysis, negotiation and objective discussion of technical land use and transportation issues, impact modeling, corridor-wide impact analysis, and traffic signal warrant studies and subsequent signal design and roadway improvement design oversight.

Canopy (Welaunee) - Tallahassee, Florida

Client: CNL Real Estate and Development Corporation – Prepared transportation analyses for this development that consists of 1,572 residential dwellings and 163,000 square feet of nonresidential development in mixed use Town, Neighborhood and Community Centers. Tasks included transportation concurrency analysis and mitigation negotiation, simulation and analysis of internal roadway network to document traffic-carrying ability of the planned dense urban road network, analysis to support and recommend typical section components, and operational analysis.

Years Experience: 31

With Current Firm: 8

Education:

Rickards High School, 1979

Professional Registrations:

Professional Land Surveyor

Florida – 5254

Professional Organizations:

Florida Surveying & Mapping Society

General Qualifications

As a Project Manager, Mr. Davis' duties include managing the activities of various surveying projects. His extensive surveying experience includes legal research and boundary determination, right-of-way mapping, subdivision layout, platting, construction stakeout, and the computer operations to obtain final results.

Mr. Davis has been with Moore Bass Consulting for the last 6 years. Prior to that time, he spent the first 25 years of his surveying career with Broward Davis and Associates (BDA). BDA played an instrumental role in the development of many City, County, and FDOT roadways. Mr. Davis was actively involved in many of these projects.

Areas of Expertise:

- Project Management
- Boundary Surveys
- Large Tract Boundary Surveys for FDEP
- Topographic Surveys
- Section Surveys
- Deed research
- Subdivision Platting
- AutoCAD and Land Desktop
- Control Surveying
- Design, Right of Way, and Construction Surveying
- Right of Way Mapping

Representative Projects:

Boundary and Topographic Surveys (Selected Examples)

• **Tallahassee Memorial Hospital**

Client: Tallahassee Memorial Hospital – Performed field-run boundary and topographic survey, including tree and utility location, of an 84-acre tract, located in Tallahassee, Florida, for future expansion of existing hospital.

• **Black Horse Plantation**

Client: The Marsh Harbor Company, Inc. – Performed a field run boundary and topographic survey, including tree location, of a 115-acre tract, located in Leon County, Florida, for a proposed residential subdivision.

• **San Bonita Farms**

Client: Fred Beshears – Performed a boundary survey and aerial topographic survey, including tree location, of a 407-acre tract located in Gadsden County, Florida, for a proposed residential subdivision.

- **Fallschase**

Client: Lamar Bailey/ AIG Baker – Performed a boundary and topographic survey, including tree and utility location, of a 681-acre tract for residential and commercial site planning. Project located in Leon County, Florida.

ALTA/ACSM Land Title Surveys (Selected Examples)

- **Governor's Crossing**

Client: Konover South – Performed ALTA/ACSM Land Title Survey for two (2) adjacent tracts in Tallahassee, Florida. The two (2) tracts include a Publix shopping center (approx. 6.82 acres) and a BB&T Bank (approx. 1.61 acre).

- **Fallschase Commercial**

Client: AIG Baker – Performed ALTA/ACSM Land Title Survey for a 120-Acre commercial tract located in Tallahassee, Florida, including two (2) large retail buildings with associated utilities, parking, associated roadways, and other improvements.

- **Walgreen's**

Client: Walgreen Co. – Performed ALTA/ACSM Land Title Surveys for three (3) newly constructed Walgreen's stores located in Tallahassee, Florida, including associated utilities, parking, and other improvements.

- **West 10 Apartments**

Client: West 10 – Performed an ALTA/ACSM Land Title Survey for an apartment complex located in Tallahassee, Florida, including associated utilities, parking, and other improvements.

- **Steak 'n' Shake**

Client: Steak 'n' Shake Corp. – Performed an ALTA/ACSM Land Title Survey for a newly constructed restaurant located in Tallahassee, Florida, including associated parking, utilities and other improvements.

- **Seminole Suites**

Client: Hal Marston – Performed an ALTA/ACSM Land Title Survey for a newly constructed apartment complex located in Tallahassee, Florida, including associated parking, utilities, and other improvements.

- **Holiday Inn**

Client: Murphco – Performed an ALTA/ACSM Land Title Survey for a 3-story hotel and associated improvements, located in Tallahassee, Florida.

- **Wendy's Restaurant**

Client: Wendy's International – Performed an ALTA/ACSM Land Title Survey for a Wendy's restaurant, with associated improvements, located in Leon County, Florida.

- **Place Properties**

Client: Place Properties – Performed ALTA/ACSM Land Title Survey

for a 12.2-acre parcel located in Tallahassee, Florida. This project involved in depth research into easements, encumbrances, and various deeds.

Construction Stakeout and As-built Surveys (Selected Examples)

- **Bannerman Crossing**

Client: Team South Construction – Performed stormwater, water, and sewer as-built surveys for a large retail shopping center with multiple outparcels, located in Tallahassee, Florida.

- **Call Street Drainage Improvements**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements at the intersection of Call Street and Cadiz Street for the City of Tallahassee. Performed stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Greystone Subdivision**

Client: Ben's Site Development – Performed construction stakeout for proposed roadways, utilities, grading, etc. for residential subdivision located in Leon County, Florida. Also performed stormwater, water, and sewer as-built surveys of constructed improvements.

- **Connie Drive**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Meginnis Creek**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Tartary Drive**

Client: Allen's Excavation - Performed construction stakeout for drainage improvements along Tartary Drive for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Cloudland Drive**

Client: Allen's Excavation - Performed construction stakeout for drainage improvements along Cloudland Drive for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Tallahassee Regional Airport**

Client: Allen's Excavation - Performed construction stakeout for drainage improvements at the Tallahassee Regional Airport for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of

Tallahassee specifications.

- **The Tennyson**

Client: Yates Construction – Provided construction stakeout services for a 15-story high-rise condominium, located in downtown Tallahassee, Florida. Also prepared a condominium survey for recording within the Declaration of Condominium.

- **Plaza Tower**

Client: Plaza Tower, LLLP – Provided construction stakeout services for a 23-story high-rise condominium located in downtown Tallahassee, Florida. Also prepared a condominium survey for recording within the Declaration of Condominium.

- **Capital Walk**

Client: Rich Capitol, LLC – Provided construction stakeout services for a 17-acre apartment complex located in Tallahassee, Florida. Also prepared stormwater, water, and sewer as-built surveys per City of Tallahassee specifications.

- **Alexan Southwood Apartments**

Client: Trammell Crow Residential – Provided construction stakeout services for a 34-acre apartment complex located in Tallahassee, Florida. (Currently under construction.)

- **Governor's Crossing Publix Shopping Center**

Client: Crowder Excavating – Provided construction stakeout services for a 6-acre shopping center located in Tallahassee, Florida. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Hampton Creek Subdivision**

Client: Linderand – Provided construction stakeout services for a 46-acre residential subdivision located in Leon County, Florida per City of Tallahassee and Leon County specifications.

- **McDonald's**

Client: Adams Engineering – Provided construction stakeout services for a new McDonald's restaurant located in Leon County, Florida. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.



Thomas C. O'Steen R.L.A.

Urban and Regional Planner Landscape Architect

Years Experience: 28

With Current Firm: 11

Education:

Florida State University,
M.S. Urban and Regional
Planning, 1988

University of Florida, B.S.
Landscape Architecture,
1982

**Professional
Registrations:**

State of Florida,
Landscape Architect, #
0000981

State of Alabama,
Landscape Architect,
#638

State of Georgia,
Landscape Architect,
#1512

**Professional
Organizations:**

American Society of
Landscape Architects;
Urban Land Institute

General Qualifications

Mr. O'Steen is an urban and regional planner as well as a registered landscape architect. Mr. O'Steen has nearly 30 years of experience in the areas of site planning, landscape architecture and urban planning. His many varied projects include property analysis, local permitting, and land-use planning. His special areas of interest include growth management and urban planning issues. He has served as Growth Management Consultant for the Tallahassee Chamber of Commerce directing the Growth Management and Governmental Affairs committee work on related land development issues.

Mr. O'Steen has extensive experience in overall Project Management, Comprehensive Plan Amendments, Master Planning, Planned Unit Development (PUD), Site Planning and Design, Environmental Permitting, Construction Administration, Plan Compliance & Local Government Coordination.

Areas of Expertise:

- Urban and Regional Planning
- Master Planning
- Comprehensive Plan Amendment
- Project Management
- Landscape Architecture
- Contract Administration

Representative Projects:

Regional Center Office Park

Client: Parrish Group - Prepared rezoning applications, and performed Master Planning of a 32 acre Office Park / +/- 280,000 gsf of office space. Prepared conceptual plans, construction documents and permit applications to construct the individual projects within this development.

Fallschase

Client: AIG Baker - Prepared documentation for the Development of Regional Impact Notice of Proposed Change (DRI-NOPC). Prepared Fallschase Development Review Process Manual and prepared exhibits for multiple Public Hearings. Prepared the Planned Unit Development application in 2006 to allow current development of +/- 700,000 gsf of commercial space and +/- 1,500 residential units.

Tallahassee Memorial Healthcare

Client: Southeast Community Health Services, Inc. - Work for this project included the coordination with the City of Tallahassee for the land planning for medical office development east of Goodwood Plantation, preparation of a Planned Unit Development and assistance in development of a 163 Agreement. Creation of a set of design guidelines to address the planned medical campus expansion and the integration of the proposed medical office lands, extension of

Surgeons Drive, and remote employee parking lot. These projects all include permitting with the City of Tallahassee through the Site Plan Review and Environmental Management Permitting process.

State of Florida, University System Master Plan

Client: Florida State University -Primary contact for Florida State University with regard to Master Planning Worked frequently with the university system to prepare site analysis, permitting investigation and conceptual site plans for the 200,000 square feet *Florida National High Magnetic Field Laboratory*, the nations' only center for research in high magnetic field technologies. In addition, served as project manager for the site development plan and produced the landscape plans for the facility incorporating the previous site work with the proposed improvements. Other university system projects have included the Florida State University stadium expansion and Academic/University Center.

Smith Property - Governors Crossing

Client: Smith Interest General Partnership - Planning, design and permitting of 25 +/- acre development of the four corners intersecting at Park Avenue and Blair Stone Road. Preparation of work for Amendment to the 163 Amendment.

Smith Property - Governors Marketplace -

Client: Smith Interest General Partnership - Development of the Exhibits for a 163 Agreement with the City of Tallahassee to develop a 30 acre parcel between Park Avenue and Governors Square Boulevard. Performed planning, design and permitting of +/- 320,000 gsf retail commercial shopping center.

Gateway Beautification, City of Tallahassee (Leon County) -
(individual experience)

Client: City of Tallahassee - Led a joint venture design team for landscape enhancement of twelve major transportation corridors leading to downtown Tallahassee. The project included signage, irrigation, and planting intervals which would meet Florida Department of Transportation requirements, while providing a coherent image inviting travelers to the Capitol complex.

Gaines Street Revitalization (individual experience)

Client: City of Tallahassee - Acted as liaison between Florida State University for the City of Tallahassee for development of streetscape, and pedestrian improvements along Gaines Street - the southern boundary of the FSU Campus. Also provided design direction for pedestrian improvements along the corridor to incorporate road crossings, parking / street interface / campus entrance design.

Adams Street Pedestrian Improvements -(individual experience)

Client: City of Tallahassee - Served as Project Manager for development of streetscape improvements in downtown Tallahassee for Adams Street Common. The design for this corridor - directly north of the State Capitol, provided hardscape design for sidewalks and street pavement to continue vehicular traffic while incorporating design elements of pavers, landscape materials and street furnishings for this area that is commonly used for city street celebrations.

Chipola River Corridor Study – (individual experience)

Client: Jackson Counties - Prepared a conceptual land use plan for a privately held +/- 6,000-acre parcel along the Chipola River in Jackson and Calhoun counties. A further phase one preliminary subdivision plan was prepared for the northern 300 acres and included institutional, recreational and residential properties.

Miccosukee Road – Phase I – (individual experience)

Client: Leon County Public Works - Served as project landscape architect for the widening of Miccosukee Road from Capital Circle to Teal Lane – approximately one mile of road. Duties included the production of conceptual design, coordination with County engineering staff on tree protection / removal and permitting with the City of Tallahassee.

Blair Stone Road – (individual experience)

Client: City of Tallahassee Public Works - Served as project landscape architect for Blair Stone Road, legs 2, 3 & 4. Prepared conceptual plans and construction drawings as well as coordinated plant materials and hardscape improvements, including sound walls to screen adjacent neighborhoods. Also, prepared a project Visual Design Guidelines document with RPA Group for the Blair Stone Corridor.

Community Service:

Tallahassee Area Chamber of Commerce

Blueprint 2000 Citizens Advisory Committee, Vice-Chairman 2007-2008

Economic and Environmental Consensus Committee

State of Florida

Department of State

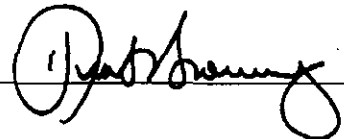
I certify from the records of this office that MOORE BASS CONSULTING, INC. is a corporation organized under the laws of the State of Florida, filed on August 1, 1991.

The document number of this corporation is S70049.

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

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

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



Secretary of State



Authentication ID: 000197412550-031011-S70049

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

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

Licensee Details

Licensee Information

Name: **Moore Bass Consulting, Inc. (Primary Name)**
(DBA Name)
Main Address: **805 North Gadsden Street**
TALLAHASSEE Florida 32303
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Certificate of Authorization**
Rank: **Cert of Auth**
License Number: **6108**
Status: **Current,Active**
Licensure Date: **09/19/1991**
Expires: **02/28/2013**

Special Qualifications **Qualification Effective**

[View Related License Information](#)

[View License Complaint](#)

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

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Licensee Details

Licensee Information

Name: **MOORE, RICHARD ALAN (Primary Name)**
(DBA Name)
Main Address: **MOORE BASS CONSULTING, INC.**
805 N. GADSDEN ST.
TALLAHASSEE Florida 323030000
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **38745**
Status: **Current,Active**
Licensure Date: **08/10/1987**
Expires: **02/28/2013**

Special Qualifications Qualification Effective

[View Related License Information](#)

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

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State of Florida

Board of Professional Engineers

Karen Krapp Bass, P.E.



IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION: 2/28/2013 P.E. LIC. NO:
AUDIT NO: 228201318512 31902

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ#L09093001795

DATE	BATCH NUMBER	LICENSE NBR
09/30/2009	098063127	LC0000310

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

MOORE BASS CONSULTING INC
805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L09093001795

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805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY



Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB7245**
Expiration Date February 28, 2013

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

MOORE BASS CONSULTING, INC
805 N GADSDEN STREET
TALLAHASSEE, FL 32303

A handwritten signature in cursive script, appearing to read "Adam H. Putnam".

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS5254**

Expiration Date: February 28, 2013

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

LARRY D. DAVIS
805 NORTH GADSDEN STREET
TALLAHASSEE, FL 32303

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper, whose name and address are shown above, is licensed as required by Chapter 472, Florida Statutes.



Stormwater Engineering
EGS SF 330

ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

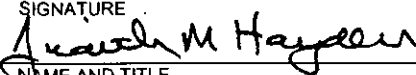
2a. FIRM (OR BRANCH OFFICE) NAME Environmental and Geotechnical Specialists, Inc.			3. YEAR ESTABLISHED 1992	4. DUNS NUMBER 79-285-9191
2b. STREET 104 N. Magnolia Drive			5. OWNERSHIP	
2c. CITY Tallahassee			2d. STATE FL	2e. ZIP CODE 32301
6a. POINT OF CONTACT NAME AND TITLE Judith M. Hayden, P.E., President			a. TYPE Corporation	
6b. TELEPHONE NUMBER (850) 386-1253			6c. E-MAIL ADDRESS Judy.Hayden@EGS-US.com	
8a. FORMER FIRM NAME(S) (If any)			7. NAME OF FIRM (If block 2a is a branch office)	b. SMALL BUSINESS STATUS
			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
27	Geotechnical Engineer	10		S 05	Soils & Geologic Studies	5
23	Environmental Engineer	3		T 03	Transportation Engineering	5
07	Biologist	1		E 01	Environmental Investigations	2
08	Civil Engineer Technician	6				
58	Laboratory Technician	6				
58	Field Technician	8				
Total		34				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE March 10, 2011
c. NAME AND TITLE Judith M. Hayden, P.E., President	

EGS

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Thomas H. Hayden, P.E. Geotechnical Engineering

Professional Credentials:

Bachelor of Science, Civil Engineering, University of South Florida, 2003

Professional Engineer in Florida

Professional Organizations:

American Society of Civil Engineers – 2008 President Tallahassee Chapter – 2008-2010 FAMU/FSU College of Engineering Student Chapter Liaison – 2009 Young Engineer of the Year

Florida Engineering Society – 2008-2009 K-12 Education Committee - 2006-2008 Math Counts Committee – 2009 Florida Engineering Leadership Institute Graduate

Geotechnical Materials Engineers Council

Special Qualifications:

- Over 10 years of Geotechnical design and investigation experience, including roadway studies, stormwater design, pavement design, and materials engineering
- Familiarity of FDOT Geotechnical Standards
- CTQP/ACI Certifications: Aggregate Field and Laboratory Testing Technician, Asphalt Plant Technician – Levels I and II, Field Sampler Technician, LBR Technician, Concrete Field Technician – Levels I and II, Concrete Laboratory Technician – Level 1, Quality Control Manager, Concrete Transportation Construction Inspection, Advanced Maintenance of Traffic Inspector and FDEP Erosion Control Inspector

Years Experience with EGS: 7; Years experience with other firms: 3

Relevant Experience:

GPI Southeast, Inc., Proposed Longleaf Development, Stormwater Treatment Facilities, Wakulla County, FL – Performed subsurface investigation of the proposed Longleaf Development. Provided client with subsurface conditions, encountered groundwater and estimated "normal" seasonal high groundwater, design infiltration rates, and anticipated construction considerations.

Carollo Engineers, Lake Bradford Road Wastewater Treatment Facility, Tallahassee, FL – Performed subsurface investigation of the proposed roadway and parking improvements at the Lake Bradford Wastewater Treatment Facility. Provided the client with design and reuse recommendations for each material STRATA encountered throughout project.

Florida Department of Transportation, District 3, SR 97 Pavement Core and Condition Survey, Escambia County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 97 in Escambia County, Florida. Provided the District with the types of pavement failure encountered, anticipated construction considerations, and design recommendations.

Florida Department of Transportation District 3, SR 61 Pavement Condition Survey and Design, Leon County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 61 (North Monroe Street) at the proposed Lake Jackson Eco-Passage. Provided the client with compaction characteristics of the existing embankment material as well as design recommendations for the proposed pavement.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Geotechnical Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 19

Years Experience with Other Firms: 18

Relevant Experience

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

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

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

Relevant Experience, cont.

SR 95 (US29/Pensacola Blvd) From SR 8 (I-10) to 0.5 Miles North of SR 10 (US 98), FDOT District 3, Escambia County, FL (FDOT FPN 2186031-1-32-01) – The projects consisted of conducting the geotechnical studies for the roadway widening of SR 95 from 4 lanes to 6 lanes. The investigation included the analysis of subsoils for lane additions, culvert installations, storm sewer installation, mast arm signalization and retaining wall installation. Also included was the Geotechnical investigation for bridge widening, MSE walls, and the slope stability analysis of embankment areas.

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

SR 202 Reconstruction from West of Kernan Blvd. to San Pablo Road, FDOT District 2, Duval County, FL (FDOT FPN 209733-4-52-01) - Conducted the geotechnical investigation for the widening of SR 202 from 4 to 6 lanes in Duval County, Florida. The geotechnical studies included roadway reconstruction, pavement design, bridge widening, culvert extensions and stormwater ponds. Duties included conducting a reverse engineering study to determine the type, loads and depths of foundations for an overpass bridge on I-95 where there were no bridge plans and construction records available.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E. Environmental Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

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

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

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

Judith M. Hayden, P.E.

Relevant Experience, cont.


Rum Road over Parrot Creek Bridge Replacement, Holmes County, FDOT District 3 – Served as project manager for environmental permitting for the replacement of the one-lane bridge on Rum Road with a two-lane structure on a new alignment. Prepared and obtained the environmental permits required by the Florida Department of Environmental Protection and the US Army Corps of Engineers for the bridge replacement. The project was on an emergency accelerated schedule due to the bridge failure as a result of storm damage.

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



This certifies that
**ENVIRONMENTAL AND GEOTECHNICAL
SPECIALTIES, INCORPORATED**
is recognized as a
Minority/Women-Owned Business Enterprise
under the
**City of Tallahassee and Leon County
Consortium Interlocal Agreement**

For a period of one (1) year beginning:
May 18, 2010 to May 31, 2011



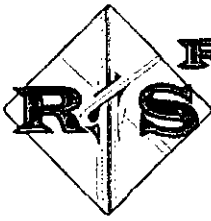
MBE Administrator



Certification Specialist



**Stormwater Engineering
Registe, Sliger Engineering, Inc. SF 330**



Registe, Sliger Engineering, Inc.

CIVIL, STRUCTURAL, AND WATER RESOURCES

1427 North Bronough St. Tallahassee, FL 32303

PHONE: (850) 894-4521 - FAX: (850) 224-0505

Jacques Registe, PE

Senior Structural Engineer, President

Mr. Registe is a civil engineer for Registe, Sliger Engineering, Inc. with more than 24 years of experience in both the general civil and structural engineering fields including roadway and bridge design, drainage design and permitting. Mr. Registe's engineering experience includes the preparation of design and permit documentation for many projects throughout the State of Florida. His professional experience has been acquired through multiple project responsibilities involving comprehensive analysis, engineering and design tasks for both roadway and bridge projects. His years of experience have been almost exclusively in the State of Florida where Mr. Registe enjoys an exemplary reputation for quality and on-time work.

Mr. Registe is responsible for the design, plans production and preparation of construction documents for all highway and bridge design projects at Registe, Sliger Engineering. He coordinates engineering tasks with his design staff adhering to schedules and budgets established for each project.

Education: M.S. Civil Engineering, 1989
FAMU/FSU, Tallahassee, Florida
B.S., Civil Engineering, 1985
FAMU/FSU, Tallahassee, Florida

Registrations: Florida PE #43397
Georgia PE #27712

Detailed Project Experience

Florida's Turnpike Widening (Boca Raton Interchange to Atlantic Blvd), Florida – Project Highway and Bridge Engineer for this project which involved the design of 5.3 miles of Turnpike widening from 4 to 6 lanes including redesign of the Boca Raton Interchange, a 35 year old interchange, to current design standards. A new bridge was designed at the interchange to span the widened Turnpike. The project also called for a new bridge design at Clint Moore Road, which required a special designed temporary bridge and widening of two additional structures to carry the extended Turnpike roadway.

Bridge Replacement Projects, Group 09-3, FDOT, Florida – Project Manager for both the new bridge replacement tasks required for the projects in Group 09-3. Work includes the preparation of Typical Section Packages, Drainage and Bridge Hydraulics Reports, roadway and bridge design and plans preparation, utility relocation plans and the development MOT.

CR 269 over the CSX Railroad, Chattahoochee, FDOT, Florida – Project Engineer for both the 3,000 feet of new roadway on a new alignment and a bridge over the CSX Railroad in Chattahoochee, Florida. Responsible for roadway geometry design and plans preparation, design of an enclosed drainage system, retention pond designs, utility relocation plans and maintenance of traffic plans preparation. Additional tasks include assisting the FDOT with permit application requirements and review of the bridge plans over the CSX Railroad.

SR 60 Bridge Replacements, Osceola County, Florida – Served as Project Engineer for the roadway and bridge engineering tasks on the project. Work included roadway reconstruction of 500m to both ends of the two new bridges being designed under this contract. Mr. Registe was responsible for all design and plans preparation for the project.

SR 4 Bridge Replacement over Escambia River, FDOT, Florida – Provided preliminary and final design calculations and was responsible for the development of construction plans for this bridge replacement project. Produced and/or checked the designs and details of all the structural elements and prepared the computer program input and analyzed the output for geometry, grades, foundations and girder programs. Also generated the final detailed contract plans and material estimates.

Professional Affiliations

American Society of Civil Engineers
American Society of Highway Engineers

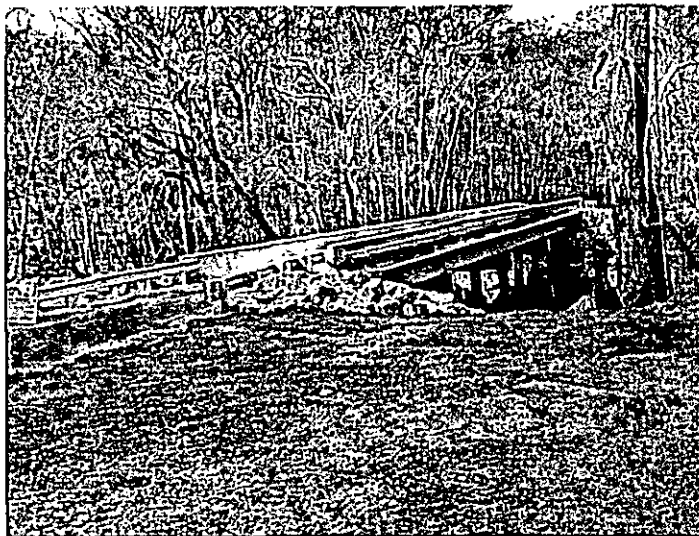
F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 8
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21. TITLE AND LOCATION <i>(City and State)</i> Florida River Island Bridge Liberty County, Florida	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER N.W. FL. Water Management District	b. POINT OF CONTACT NAME Bill Cleckley, NFWFMD, Havana, Fl	c. POINT OF CONTACT TELEPHONE NUMBER 850-539-5999
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*
 Project involved designing a 165 ft bridge over the Florida River Island. RSE also provided CE&I for the project. Jacques was the engineer of record for the structure.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	Registe, Sliger Engr.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

10

21. TITLE AND LOCATION (City and State)

Sand Hill Lakes Mitigation Bank Bridge and Culvert Design

22. YEARS COMPLETED

PROFESSIONAL SERVICES

CONSTRUCTION (# applicable)

2006

2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Northwest Florida Water Management District (NFWFMD)

b. POINT OF CONTACT NAME

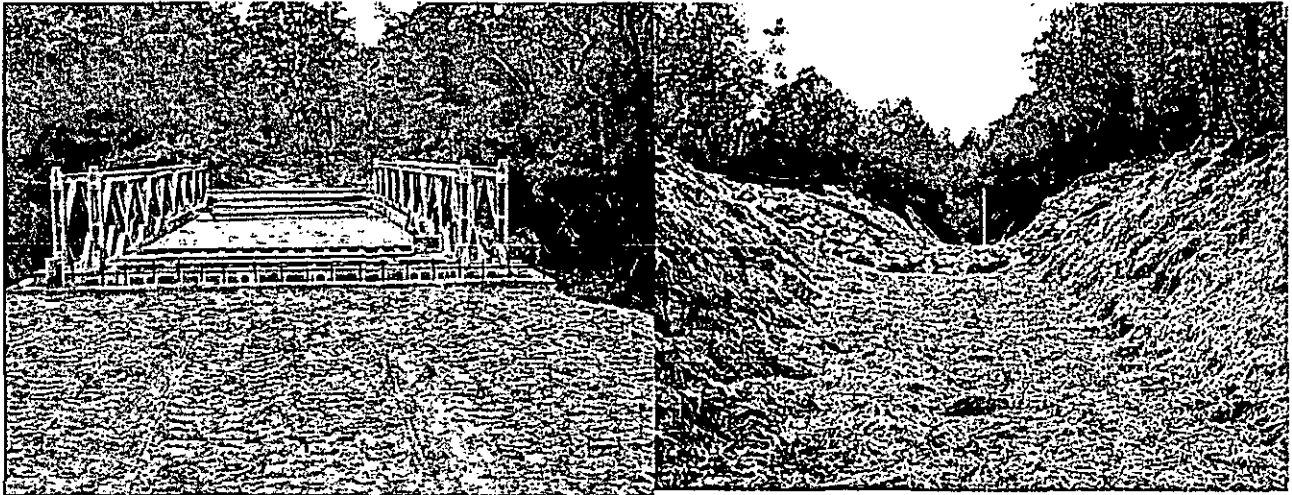
Bill Cleckley

c. POINT OF CONTACT TELEPHONE NUMBER

850-539-5999

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)

Project involved designing 3 low water crossing bridges and 2 box culverts. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

7

21. TITLE AND LOCATION *(City and State)*

Ravine Gardens State Park, Palatka, Florida

22. YEARS COMPLETED

PROFESSIONAL SERVICES
2005

CONSTRUCTION *(if applicable)*
2005

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

FL DEP Parks and Recreation Services

b. POINT OF CONTACT NAME

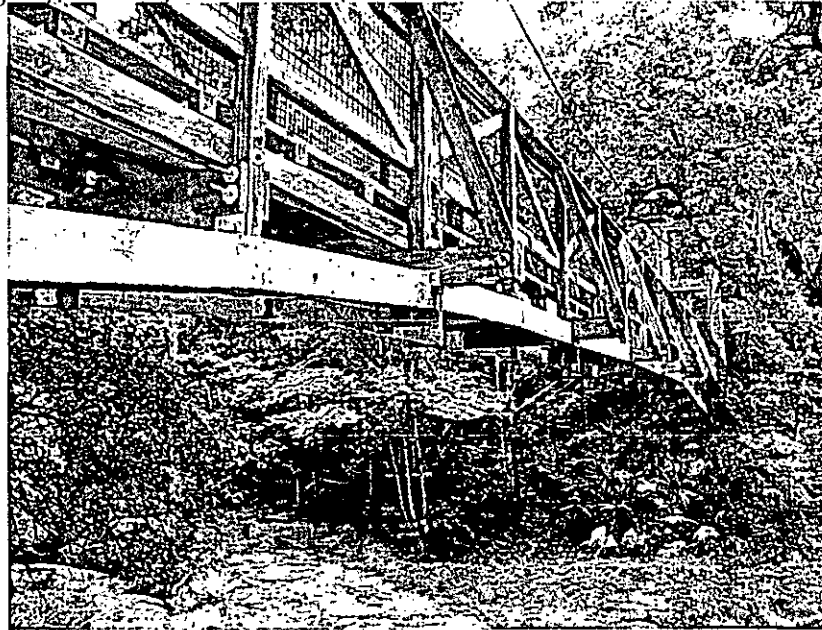
Chick Saverig

c. POINT OF CONTACT TELEPHONE NUMBER

850-488-5372

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and cost)*

Project involved designing a 100 ft pedestrian suspension bridge. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FI 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

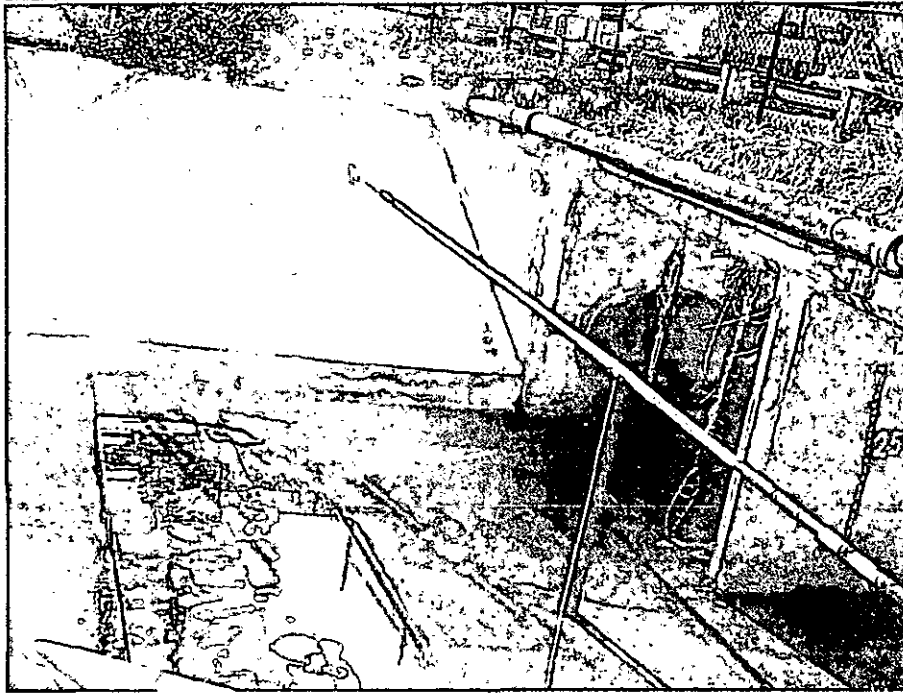
20. EXAMPLE PROJECT KEY NUMBER
3

21. TITLE AND LOCATION (City and State) Meginnis Culvert and Headwall Design	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION (if applicable) 2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Tallahassee	b. POINT OF CONTACT NAME Bob Mosher, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 850-891-6860
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Stormwater Engineering
Experience with Projects
of a Similar Type and Size**

SECTION B

B.1 LIST OF PROJECTS IN WORK CATEGORY ILLUSTRATING EXPERIENCE AND CURRENT STAFF ASSIGNMENT.

Stormwater Engineering Projects

Provided below is a representative listing of projects outlining CSI's experience in the Stormwater Engineering work category. In addition, project summaries are provided in the following pages addressing the specific information requested in this section.

Client	Project Name	Staff Assignment / Project Manager
City of Frostproof	Lake Clinch to Lake Reedy Flood Control	Steve Dutch, PE
City of Bartow	Stormwater Master Study & Utility	Steve Dutch, PE
Confidential Client	Warehouse Expansion	David Buyens, PE / Chris Sipe, PE
Casto Lifestyle Properties	Lakeside Village Shopping Center	Ken Campbell, PE / Wendy Contner, PE
City of Lakeland	Gateland Drive Flood Study	Chris Sipe, PE
The Ruthvens	Industrial Center SR 33 Site	Chris Sipe, PE
Tanglewood Investors Ltd., Partnership	Tanglewood Mobile Home Park	Ron Cauthan, PE
City of Tallahassee Underground Utilities	Stormwater Pond Sediment Sampling	Tom Lewis, PG
City of Bartow	Bartow Tortoise Relocation	Art Wade, GTA, PWS
Polk County Transportation Engineering Division	Polk County Wetland Monitoring	Art Wade, PWS

LAKE CLINCH TO LAKE REEDY FLOOD CONTROL

Frostproof, FL

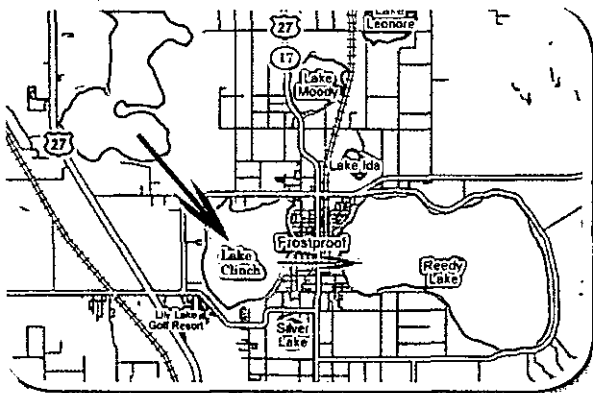
Professional Services:	Professional Services included drainage design, modeling and permitting
Project Scope:	Planning, permitting and construction services
Project Owner:	City of Frostproof P.O. Box 308, Frostproof, FL 33843
Project Manager:	Steve Dutch, PE
Point of Contact:	Ms. Tenny Croley, City Manager 863. 635. 7862
Year Completed:	Construction: 2007 Professional Services: 2007
Professional Fee:	\$200,000
Construction Cost:	\$3,600,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

BRIEF DESCRIPTION

The City of Frostproof and Polk County retained Chastain-Skillman, Inc. (CSI) to work with the Southwest Florida Water Management District (SWFWMD), Polk County, and the City of Frostproof on this Lake Clinch Flooding Cooperative Funding Project. CSI was retained by Polk County to address flooding issues which remained from the 2005 hurricane season. The natural flow of water in south-central Polk County is southward from Crooked Lake (just east of Babson Park and west of Highway 27) into Lake Clinch on the eastern edge of Frostproof, and from there through town into Reedy Lake located immediately west of Frostproof. Over the years the system of conveyance of

water from Lake Clinch to Reedy Lake has been altered numerous times resulting in a reduction of the rate at which water can flow between these lakes.

During summer 2005, sections of undersized pipes (18-inch and 36-inch) were replaced with 48-inch pipe by the County and SWFWMD in an emergency effort to reduce flooding on County Road 17. This most recent project expanded those efforts by replacing the outfall from Lake Clinch to Reedy Lake with an operable water control structure on Lake Clinch, accompanied by installation of 72-inch pipe along the conveyance to Reedy Lake.



STORMWATER MASTER STUDY & UTILITY

Bartow, FL

Professional Services:	Municipal Master Plan
Project Scope:	Development and implementation of a stormwater master plan and implementation of a stormwater utility.
Project Owner:	City of Bartow 450 North Wilson Avenue, Bartow, FL 33830
Project Manager:	Steve Dutch, PE
Point of Contact:	Bill Pickard, Public Works Director 863.534.0100
Year Completed:	Construction: N/A Professional Services: 2006
Professional Fee:	\$98,000
Construction Cost:	N/A
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Consultant

BRIEF DESCRIPTION

The City of Bartow desired to create a stormwater utility for the administration of stormwater related matters. Their specific purpose in funding the new utility was to fund maintenance and capital improvements programs, new staff for the stormwater utility department, and operations and equipment costs. In order to fund the creation of the stormwater utility, the City obtained a SWFWMD grant which covered 50% of the cost for developing the new utility with the understanding that the utility creation would also be compliant with SWFWMD requirements. The City engaged Chastain-Skillman, Inc. (CSI) to provide the professional engineering services to assist the City in creating the new utility which would serve the dual purpose of meeting their basic utility needs and also fulfilling the SWFWMD database and record keeping requirements.

Phase I services provided by CSI included field evaluations and mapping, obtaining digital topographic information of total impervious area per land parcel, evaluation and recommendations for a stormwater utility structure, and coordination with SWFWMD. Phase II included the development of the stormwater utility and rate ordinance, routine meetings with City staff to obtain feedback and discuss progress, and consecutive presentations at City commission meetings to discuss and answer questions from the public. In developing the utility rate structure, several scenarios were considered based on residential, commercial, and industrial contributions and their overall impervious area contribution. The final recommended rate structure also balanced with the City needs for meeting revenue goals for the new utility.

WAREHOUSE EXPANSION

Lakeland, FL

Professional Services:	Civil engineering design, surveying, stormwater modeling, environmental and stormwater permitting
Project Scope:	Master Planning and Civil Engineering/Permitting for a 550,000 sq. ft. warehouse expansion
Project Owner:	Withheld at client's request
Project Manager:	David J. Buyens, P.E.; Christopher B. Sipe, P.E.
Point of Contact:	Withheld at client's request.
Year Completed:	Construction: Estimated to be September 2012
Professional Fee:	\$230,000
Construction Cost:	\$6,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Civil Engineer

BRIEF DESCRIPTION

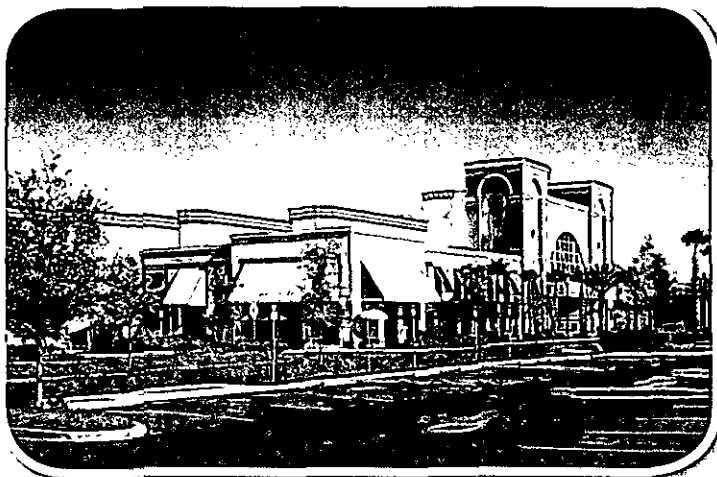
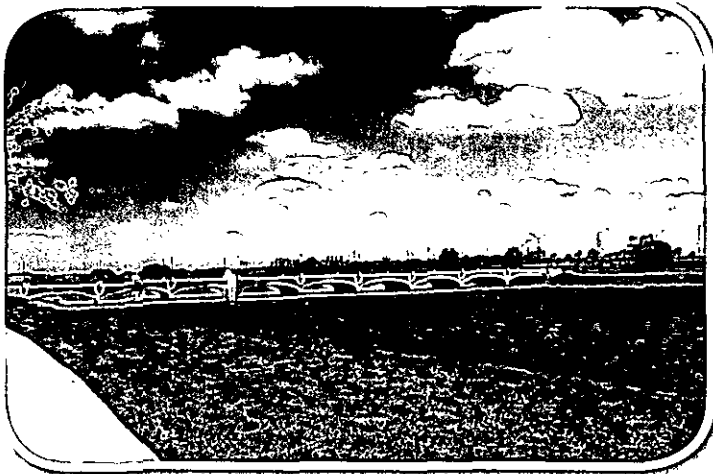
This project consists of master planning a 287 acre site in Lakeland, Florida and design of a 550,000 sq ft warehouse expansion. For the master planning, Chastain Skillman, Inc. (CSI) provided surveying services, wetlands delineation, and endangered species identification for the undeveloped portion of the site to enable evaluation of development usefulness. A master flood study comprised of approximately 1700 acres was conducted to establish Base Flood Elevations for the on-site flood hazard areas. Several previous efforts from the surrounding area were combined with the new survey obtained into an all-encompassing surface water model. All on-site wetland boundaries and flood elevations were submitted to the Southwest Florida Water Management District to gain approval of their limits for future design and construction.

The warehouse expansion project includes engineering design and permitting of the building expansion and associated parking and traffic areas, wherein warehouse size approximately doubled the existing facility. The site required environmental and stormwater permitting through the Southwest Florida Water Management District, U.S. Army Corps of Engineers, FDEP, the County and the local municipality. The stormwater design made use of, maximized, and augmented the three existing wet detention systems for the proposed site improvements. Wetland impact was minimized by the geometry of the improvements. On-site floodplain compensation and wetland mitigation were designed and permitted for the impacts that were unavoidable.

LAKESIDE VILLAGE SHOPPING CENTER

Lakeland, FL

Professional Services:	Civil site design, stormwater design, structural bridgework, surveying, bidding and construction phase services
Project Scope:	Civil site design, permitting, surveying and construction observation to include improvements to access roads and intersections
Project Owner:	Casto Lifestyle Properties 401 N. Cattlemen Road, Suite 108, Sarasota, FL 34232
Project Manager:	Ken Campbell, PE; Wendy Contner, PE
Point of Contact:	George Linder 941.552.2704
Year Completed:	Construction: 2006 Professional Services: 2006
Professional Fee:	\$900,000
Construction Cost:	\$50 million
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) has performed numerous engineering and surveying projects on this section of reclaimed phosphate land over the past 20 years, including the Grasslands Country Club community and golfcourse, Oakbridge shopping plaza and residential communities. Lakeside Village is home to south Lakeland's first shopping village containing major anchor stores, which consists of 512,000 sq. ft. in Phase I.

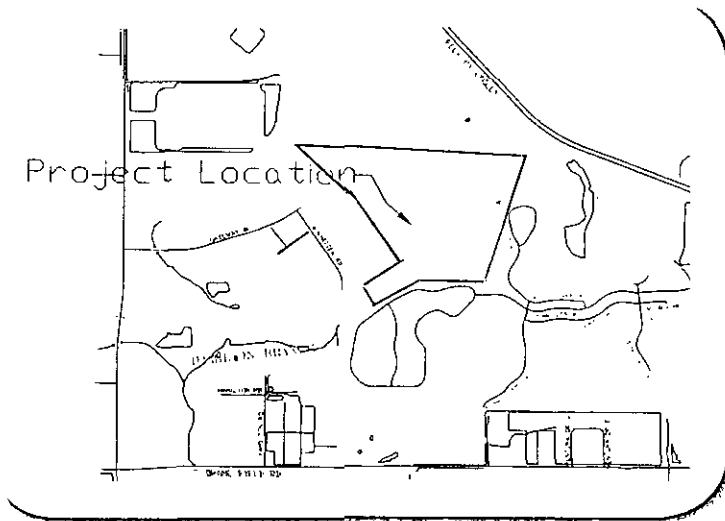
CSI provided land surveying and site planning engineering and permitting services for this 120-acre development located at the intersection of the Polk Parkway and Harden Blvd. in Lakeland. The reclaimed phosphate soils presented numerous engineering challenges during this project, whose buildings are designed to match the architectural style of downtown Lakeland. One access to the site is via a bridge from the south side (Polk Parkway/ Frontage Road) featuring a European "arched-profile" look. CSI's structural department designed this 44' wide and 440' long bridge which spans the lake on the south side of the property.

CSI engineering design included all of the internal roadways and parking areas at the shopping center, as well as considerable improvements to the access roads and intersections surrounding the shopping center.

GATELAND DRIVE FLOOD STUDY

Lakeland, FL

Professional Services:	Civil Engineering Services
Project Scope:	Flood Study & FEMA Map Amendment
Project Owner:	City of Lakeland 228 South Massachusetts Avenue, Lakeland, FL 33801
Project Manager:	Chris Sipe, PE
Point of Contact:	Terry R. Ritter, P.E. 863.834.6031
Year Completed:	2008
Professional Fee:	\$10,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



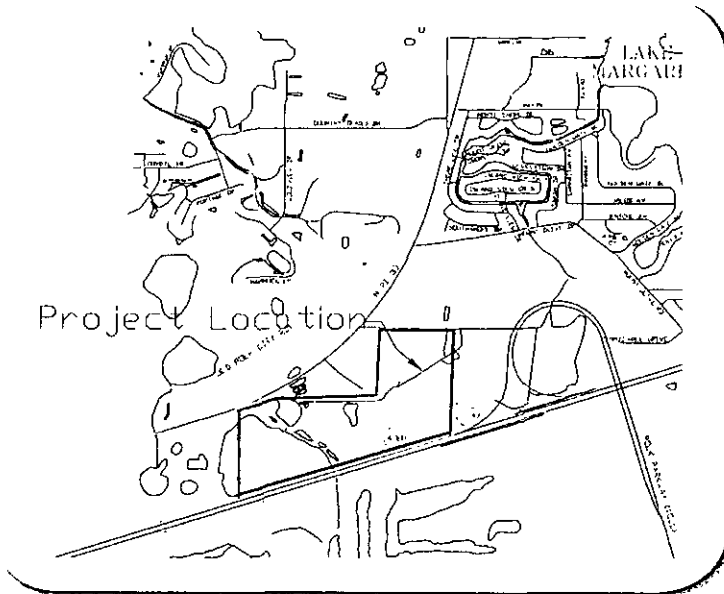
BRIEF DESCRIPTION

Chastain-Skillman, Inc. engineered a flood study for a mixed use watershed, including single family residential, multifamily, industrial, undeveloped, and forested areas. The study area consisted of 194 acres. The study focused on establishing the 100 year flood elevations for several unmapped flood zone areas. The stormwater model developed was integrated with prior models of the adjacent areas to ensure that the peak stages and discharge rates in and around the Hamilton Branch Tributary (for multiple rainfall events, including the 100 year, 24 hr. event) were consistent with accepted regulatory criteria. The successful culmination of this project resulted in a Letter of Map Revision (LOMR) being granted by the Federal Emergency Management Agency (FEMA) in February 2008 that established 100-year elevations within the project area.

INDUSTRIAL CENTER SR 33 SITE

Polk County, Florida

Professional Services:	Site Civil Engineering
Project Scope:	Road & Drainage Design; Wetland Mitigation; Floodplain Evaluation
Project Owner:	The Ruthvens 41 Lake Morton Drive, Lakeland, FL 33801
Project Manager:	Chris Sipe, PE
Point of Contact:	J. Greg Ruthven 863.686.3173
Year Completed:	2008
Professional Fee:	\$220,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

The project includes 110 acres of proposed warehouse development within a total site area of 164 +/- acres. The improvements include buildings, parking lots, roadway, detention ponds, and wetland mitigation areas. Chastain-Skillman, Inc. provided engineering, survey, roadway improvement design, stormwater management facilities, wetland mitigation, floodplain evaluation, and met all permitting requirements. The Environmental Resource Permit was approved in July 2008 by the Southwest Florida Water Management District. As part of this permit authorization, a comprehensive flood study was performed that integrated the surface water modeling from Interstate 4, the Polk Parkway, adjacent offsite residential areas, and the proposed development improvements. The model served to establish pre-development and post development peak flows and flood water stages for varying rainfall events up to and including the 100 year, 24 hour event.

TANGLEWOOD MOBILE HOME PARK

Sebring, FL

Professional Services:	Civil design, utility design, land surveying, environmental and stormwater permitting
Project Scope:	Complete civil site design, including utilities, stormwater management, and street layout
Project Owner:	Tanglewood Investors Ltd., Partnership 3000 Tanglewood Parkway, Sebring, FL 33872
Project Manager:	Ron Cauthan, PE
Point of Contact:	John Greytak 863.655.3035
Year Completed:	Construction: 2008 Professional Services: 1998-2008
Professional Fee:	\$1,000,000 through Phase IV
Construction Cost:	\$10,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

Originally started as Juniper Bay Mobile Home Park, this project consisted of the development of a 310-acre parcel in the Sun 'n Lake Improvement District in Sebring.

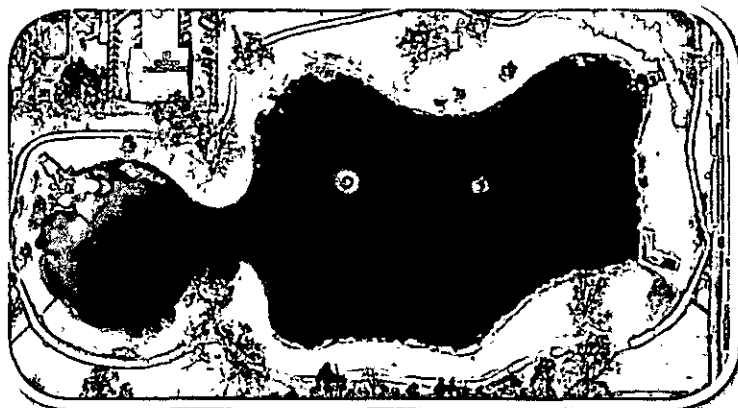
This project began in 1998 and was developed in four phases. As of 2009, the project was built-out and consisted of approximately 1,200 units. Chastain-Skillman, Inc. (CSI) provided zoning, planning, surveying, engineering design, architectural design and permitting for this project. The design included water and wastewater supply systems, street layout and stormwater management systems. The site required environmental and stormwater permitting through the Southwest Florida Water Management District, U.S. Army Corps of Engineers, Florida Game and Freshwater Fish Commission, U.S. Fish and Wildlife Service, Florida Department of Transportation and Highlands County. A master drainage study was conducted to design the system of eight interconnected ponds and natural wetlands providing the stormwater management facilities. Natural wetlands were incorporated into the stormwater design to minimize the need for wetland mitigation.

CSI also designed a 7,000 square foot office/administration building, a 25,000 square foot recreational building containing game rooms and a large meeting room, and a 5,000 square foot exercise room for this community.

STORMWATER POND SEDIMENT SAMPLING

Tallahassee, FL

Professional Services:	Environmental Consulting Services
Project Scope:	Sediment Sampling & Regulatory Guidance
Project Owner:	City of Tallahassee Underground Utilities 300 S. Adams Street, B-35
Project Manager:	Tom Lewis, PG
Point of Contact:	Charles A. Blum, P.E. 850.891.6860
Year Completed:	2010
Professional Fee:	\$25,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) was contracted by the City of Tallahassee in 2010 to perform sediment sampling at two stormwater facilities (Frenchtown Stormwater Facility, Lake Jackson Stormwater Facility) in Tallahassee, Florida in order to assist in determining best disposal practices and potential costs associated with stormwater sediments removed as part of construction and expansion activities.

The projects began by preparing Sampling and Analysis plans for collecting an appropriate number of viable samples from different areas of each pond. Upon reviewing the analytical results, Chastain-Skillman, Inc. assisted the City in working with the NFWMD and FDEP to come up with the most cost effective approach to disposing the sediments in compliance with FDEP using beneficial use guidance document and solid waste disposal requirements.

Results of these two 2010 studies have led to a better understanding of the risks and costs involved by both sides if regulatory agencies begin to require such sediment analysis in the future prior to beneficial use practices. The results also caused the City to not take over ownership and maintenance responsibilities from one such facility currently owned and operated by another governmental agency due to the uncertainty of potential future disposal costs.

BARTOW TORTOISE RELOCATION

Bartow, FL

Professional Services:	Environmental Monitoring and Compliance
Project Scope:	Gopher Tortoise Survey and Relocation
Project Owner:	City of Bartow 300 East Church Street, Bartow, Florida 33830
Project Manager:	Art Wade, GTA, PWS
Point of Contact:	Bill Pickard 863.534.0100
Year Completed:	August 2011 (Ongoing)
Professional Fee:	\$55,000
Construction Cost:	Estimated \$6,330,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

BRIEF DESCRIPTION

The City of Bartow (City), Polk County Utilities, and Clear Springs Land Development Company agreed to cooperate on construction of a major water and wastewater infrastructure project. Chastain-Skillman (CSI) was contracted to provide preliminary routing evaluation.

The selected pipeline route begins near the Bartow Municipal Airport at US 17 and follows an alignment along the airport, Clear Spring development, Connersville, Road, US 60, the Bartow Municipal Golf Course, and to the headworks of the Bartow Water Reclamation Facility.

CSI's scientists conducted a 100 percent survey of the pipeline route and subsequent Florida Fish and Wildlife Conservation

Commission permit applications to relocate gopher tortoises along the route. The survey, which is a census of all identified burrows within the project area, was conducted in accordance with FWC guidelines and requires burrows within a 25-foot radius of the work be located with a GPS and marked in the field for FWC review. In addition to the survey documents, project location, soils, and habitat maps were submitted to the FWC for review.

As a Gopher Tortoise Authorized Agent, a CSI scientist was on-site at all times to direct, supervise and assist with on-site capture and relocation of tortoises. The contractor provided the backhoe and an experienced operator to conduct the actual capture of the tortoises. Captured tortoises were relocated to a licensed site in Bushnell .

POLK COUNTY WETLAND MONITORING

Polk County, FL

Professional Services:	Environmental Monitoring
Project Scope:	Wetlands Compliance Assessment and Reporting
Project Owner:	Polk County Transportation Engineering Division PO Box 9005, Bartow, Florida 33831
Project Manager:	Art Wade, PWS
Point of Contact:	Irene Miller 863.534.6743
Year Completed:	Ongoing
Professional Fee:	\$102,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) is currently under contract with the Transportation Engineering Division of the Polk County Board of County Commissioners to provide wetland monitoring services of several wetland mitigation areas that were created as a result of impacts from transportation projects. The sites range from 0.45 to 9.50 acres in size and include herbaceous and forested types. Professional services associated with the monitoring include semi-annual and annual

monitoring of vegetative cover along established transects as approved by the agencies, water level readings, wildlife utilization, and an overall qualitative assessment of the sites' success. The data is compiled into report form, with a detailed description of each area monitored, an overall discussion of the sites' condition, and recommendations for improvement. The report is submitted to the client and appropriate agencies as required.

B.2 NAMES AND DESCRIPTIONS OF APPLICABLE PROJECTS PRESENTLY UNDER CONTRACT DEMONSTRATING CAPABILITIES AND QUALIFICATIONS FOR WORK CATEGORY.

Stormwater Engineering Projects

Provided below is a representative listing of CSI's current work in the Stormwater Engineering work category.

Client	Project Name	Description of Services
Major Supermarket Chain (Confidential Client)	Distribution Center Expansion	Master planned a 287-acre site in Lakeland, Florida and designed of a 550,000 sq ft warehouse expansion. For the master planning, CSI provided surveying services, wetlands delineation, endangered species identification, and a master flood study comprised of approximately 1700 acres. The warehouse expansion project included engineering design and permitting of the building expansion and associated parking and traffic areas, wherein warehouse size approximately doubled the existing facility. The site required environmental and stormwater permitting through the Southwest Florida Water Management District, U.S. Army Corps of Engineers, FDEP, the County and the local municipality.
Anderson Lane, Inc.	USF Water Sewer Extensions	Designed and permitted water and sewer extensions to the City of Lakeland utility systems for a new university campus. Coordinated specifications and geometry with the City, capacity with the owner / architect team, and location with the proposed road backbone.
Florida Department of Environmental Protection	Atlantic Ridge State Park	Design and construction of a new park entrance (approximately 4300 feet), equestrian parking for 20 truck/trailer combinations, picnic pavilions and restroom facilities.

Client	Project Name	Description of Services
Highlands County	Hammock and Lakewood Roads	Intersection signalization and construction of left turn lanes on Hammock Road and Lakewood Road with associated drainage improvements.
Lake Wales Housing Authority	Sunrise Apartments - Redevelopment	Phase 1 of this project consists of the construction of 72 multi-family apartments, community building recreational facilities, and infrastructure improvements. CSI's services include planning, design, permitting, and construction phase services.
Polk County Public Works	Harden Pipkin Widening Project	Major modification at two signalized intersections and improvement of approximately two miles of local roadway from two travel lanes to three. This project also includes significant drainage and utility improvements.
Pulte Home Corporation	Del Webb Orlando Amenity	Design of large amenity site including extension of boulevard section roadway, public utilities, and modification to onsite stormwater management systems.
The Drummond Company	South Village	Planning revision and design support on a substantial deviation to the Oakbridge DRI. Planning efforts will include necessary improvements to transportation and stormwater infrastructure.

B.3 PROCESS AND PROCEDURES FOR MEETING CURRENT DESIGN STANDARDS, CODES, AND REGULATORY REQUIREMENTS.

CSI's Program Manager, Alan Hart, PE, has worked on Leon County projects for the past 15 years and extensively for the past 4 years. He has been involved with the design of projects that utilize all aspects of the Design Standards, Codes and Regulatory Requirements. He has completed permits for Leon County with the following agencies:

- Leon County Growth and Environmental Management (LCGEM)
- Florida Department of Environmental Protection (FDEP)
- Northwest Florida Water Management District (NFWFMD)
- Florida Department of Transportation (FDOT)

Mr. Hart has been submitting permits for clients for most of his career. Mr. Hart has permitted several projects under the new Phase II requirements.

In addition to the Program Manager's local experience, three other CSI engineers/project managers have had design responsibility for projects in the Tallahassee area over the past 5 years. As such, knowledge of and compliance with applicable design standards, codes and regulatory requirements was necessary to permit the projects for our clients.

As part of CSI's internal QA/QC process, each project has an initial kickoff meeting to orient the different team members as to the objectives, schedule and budget of the project. A senior engineer who will not be associated with day-to-day project tasks of the project is assigned as the QA/QC officer. Internal design reviews are scheduled by the QA/QC engineer at 30%, 60% and 90% completion points, along with a final review prior to release of plans for bidding. By being independent of the project development, it is believed that a more effective review can be achieved to meet the issues questioned in this section.

CSI performs projects for clients all over the state. As such, we are accustomed to recognizing and applying regulations for each locality. CSI maintains a comprehensive library (digital and hard copy) of all required standards, codes, rules, directives and specifications that will support the aspects of project design encountered under this Continuing Services Contract. Members of the project design team have access to this library and use it frequently. Plan reviewers utilize this information to conduct detailed calculation checks and constructability reviews.

SECTION B.4 IGNORE PER LEON COUNTY - DUPLICATION OF B.3.

SECTION B.5 BASIC AND SPECIAL RESOURCES AVAILABLE TO FIRM FOR PERFORMANCE OF DUTIES IN WORK CATEGORY.

Chastain-Skillman, Inc. (CSI) is one of the largest south-central Florida headquartered engineering firms. Amongst our Tallahassee, Tampa, Sebring, and Lakeland offices, we employ approximately 70 personnel. Every professional, administrative support person, field construction representative, and drafting person works at their own, fully-dedicated computer station. This includes 10 fully functional CAD stations. We own approximately 15 vehicles for use by field survey crews, field construction representatives and other staff. Field construction representatives have their own mobile computer capabilities, and each survey crew works from individually assigned and company-owned vehicles and surveying equipment. All of our computers, printers, copiers, vehicles, etc. are company-owned. CSI's Florida offices encompass over 50,000 square feet of space.

Our proposed project team is made up of individuals with specialized training in the areas of stormwater design and inspection, roadway and intersection developments, utility design, water and wastewater system design, system modeling, watershed and drainage modeling, utilization of geographical information systems and use of total station and global positioning system survey equipment. Much of the computer software can be utilized and integrated with information from the County tax records and GIS information to assist in identifying Rights-of-Way and easement acquisition, as may be necessary.

Specialty design or modeling software that we routinely use that has applicability to this contract might include:

Program	Manufacturer	Project Use
Groundwater Vistas v. 3.12	Environmental Simulations, Inc.	Pre-/Post-processor for MODFLOW
ICPR v.3.10 (6)	Streamline Technologies, Inc.	Stormwater routing model
Ponds 3.2	Devo Engineering, Inc.	Retention pond recovery analysis
Hydraflow (v.6.066)	Autodesk, Inc.	Storm sewer modeling
StormCAD v. 5.6	Bentley Systems, Inc.	Storm sewer modeling
HEC-1	USACOE/Hydrolic Engineering Ctr.	Flood hydrograph program
HEC-2	USACOE/Hydrolic Engineering Ctr.	Water surface profile (1-dim) GVF
WaterGEMS v.3.0 (5000 pipes)	Bentley Software	Hydraulic network simulation program
WaterCAD v.8i (500 pipes)	Bentley Software	Hydraulic network simulation program
KYPipe - Pipe2000	KYPipe	Hydraulic network simulation program
Surge 2000	KYPipe	Hydraulic transient simulation program
Suretrak Project Manager	Primavera, Inc.	Project scheduling software
AutoTrack v.8.52	Savoy Computerizing Svc., Ltd.	Steered vehicle path computations

Both our GIS and our survey systems are fully integrated with our CAD stations and WaterGEMS hydraulic network simulation software. In addition, we also support links between AutoCAD™ and

KYPIPE and WaterCAD. All of our drafting personnel have been trained specifically in **Autodesk Civil 3D** as well as the legacy **Land Development Desktop** software. We also maintain expertise in **Microstation V**, simplifying interchange with clients utilizing this package.

We have been utilizing the **ArcGIS** system for approximately 15 years. Our GIS staff has been trained by **ESRI-certified training centers** and has worked with several municipal clients to meet their GIS needs. We have found GIS to be invaluable in utilizing information, e.g., soils mapping, from regulatory agencies such as the Water Management Districts. We have also utilized the system extensively on mapping projects and habitat assessment projects. This work has been performed for multiple County agencies, providing database management and calculations for the County's Comprehensive Plan.

It might be of interest to know that CSI has also developed a proprietary software system that has been used by a number of our larger clients to manage asbestos remediation, maintenance and future work programs. This software is an integration of a database and AutoCAD systems to provide historical documentation of facilities plans, survey histories, test results, and areas of potential concern. This allows facilities managers the ability to quickly scan for potential issues when construction or maintenance in an area is to be conducted. To comply with various regulatory mandates, the program also helps to schedule re-inspections and maintenance as well as provide compliance documentation. While it has primarily been used for asbestos tracking, it is flexible enough to be used with most any regulated material that must be likewise tracked.

Within our offices, CSI's network is virtualized using **VMWare** and based on **Microsoft Windows** and **Novell server technologies**. Main Servers are clustered for redundancy (automatic failover) and connected to a **SAN (Storage Area Network)** with a storage capacity of over **4Tb (Terabyte)**. The system is backed up nightly to high speed SDLT tape and external SAN drives. All servers have redundant power supplies and dual UPS (Uninterruptible Power Supplies). All locations have departmental servers and **all locations are inter-connected using full T1 connections or better**, fully secured by use of hardware **Firewalls**. The complete system is monitored on a 24/7 basis with critical errors mailed and/or paged to the IT Manager. Virus protection is implemented at both server and workstation levels and updated on a daily basis. Workstations are upgraded or replaced on a regular basis to ensure that users are operating with current technology; this replacement has typically been in the 25 - 35 percentile per annum.

Additional resources of CSI's network include **VOIP (Voice over IP)** telephone connectivity between offices, additional high-speed laser printer/scanners at all locations, and additional wide format printing capabilities.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Stormwater Engineering
Willingness to Meet Schedule
and Budget Requirements**

SECTION C

C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS.

Schedule Control

Through experience, CSI has determined that there are eight key elements critical to effective schedule control. These are part of CSI's approach to project delivery.

Establishing a Realistic Schedule. While the goal is to complete the project in a timely manner, established schedules must be realistic. All too often firms commit to unrealistic schedules in order to obtain an assignment. That behavior only leads to dissatisfaction on the part of the client, frustration on the part of the project team members, delays while problems are addressed, and unexpected costs. For this reason, CSI will be clear about presenting schedules that are realistically achievable.

Establishing Interim Milestones. With every task assignment, whether performed in-house or by subcontractors, CSI will establish interim milestones that will be used as checkpoints to verify that progress is being made in accordance with the planned time line, and to serve as a basis for verifying that progress is in line with spending. This proactive approach to active management of tasks will facilitate early detection of variances and support the implementation of timely corrective action, if needed.

Regular and Frequent Communication. CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of scheduled milestones to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing delays. Such issues may otherwise go unnoticed until a problem actually develops.

Skill Matching. One of the most fundamental factors in meeting schedule commitments is carefully matching work assignments with the skill level of staff. Staff that lack appropriate experience will generally take longer than expected to complete assignments and may be reluctant to ask for help. It is the responsibility of the CSI Project Manager to properly allocate resources to facilitate the timely achievement of schedule requirements and monitor progress.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay. When an issue is identified, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of schedule compliance through regular progress reporting. If a significant variance is detected, the CSI Project Manager will, upon discovery, promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

With CSI's more than 70 employees located in Florida and backed by our Team members, the CSI Team has ample resources to meet the needs of the County for this project.

Budget Control

CSI uses the following a series of techniques to manage the assigned budget:

Detailed Experience-Based Budgeting. Cost control will be enhanced by detailed budget preparation using a standard template. Experience is used to establish realistic budget amounts for labor and expenses by individual task, providing a detailed schedule for fund allocation when performing the work and serving as the basis for monitoring and evaluating financial performance. By detailing costs by individual task, a mechanism is provided for tracking costs in small increments. In this manner, if spending on a particular task does vary from budget, the overall impact on the project is small and can be more easily corrected.

Regular and Frequent Communication. As described under the section addressing Schedule Control, CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of budgets to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing variances from the planned budget. Such issues may otherwise go unnoticed until a problem actually developed.

Frequent Budget Analysis. Labor and expenses incurred against each project are input into CSI's automated corporate accounting system on a weekly basis. Progress reporting on both budget and schedule can be assessed using PlanTrax, our project management software. This software, in conjunction with our corporate accounting system and staff work assessments, allows the Project Manager to determine the percentage of completion and earned value for the project as often as necessary to closely monitor the budget status and schedule status.

Skill Matching. Assigning appropriate staff to each task is important to budget control, as well as schedule control. Technical capabilities, efficiency, and billing rates all need to be taken into consideration to enable individual tasks to be completed in a technically and economically sound manner that meets schedule requirements.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay, although this may not be possible in all cases. Whether an issue is identified at the potential stage or when there is an actual impact, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential or actual impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of budget compliance on assignments that are being performed on a time and materials basis, and promptly notify the County of any variations from the applicable scope or assumptions that would impact the cost on any assignment. If a significant variance is detected, the CSI Lead Program Manager will upon discovery promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

Corrective Action Procedures

CSI makes considerable effort to manage contracts, projects, and tasks proactively and aggressively to preclude the need for corrective action. The most important aspect of this preventive approach is to emphasize good communication, as breakdowns in the communication process are likely the most common root cause of problems encountered in our industry. Despite these efforts to avoid problems, having a sound plan for corrective actions is necessary. CSI's approach to corrective action is as follows:

Early Detection. Corrective action is most effective when variances from the plan are detected early and corrective actions can be small in magnitude. CSI implements a number of measures to promote early variance detection that include the establishment of interim milestones to be used as checkpoints, preparation of detailed budgets for use in comparing actual to planned spending, weekly financial analyses of projects, and providing forums for promoting effective two-way communication within the project team.

Prompt Action. When a significant variance to the plan is discovered, prompt corrective action is warranted. Otherwise, adverse impacts affecting technical aspects of the project as well as schedule or budget are possible. CSI utilizes experienced personnel who are capable of detecting potential problems, and who possess the knowledge and capability to propose compensating corrective actions. Rapid response is vital to keeping projects on track.

Follow-up and Adjustment. Despite best intentions, corrective actions do not always produce the desired result. This can be due to the presence of more than one root cause for a given situation, or other environmental factors. For this reason, with every corrective action, CSI establishes milestones for checking progress to confirm that the action had the desired effect. This provides the opportunity for timely adjustment to the corrective approach, if needed.

Consultation. Small, routine corrective actions will be made as needed and communicated to Leon County in routine status updates and progress reports. In the event that a significant variance is detected and corrective actions must be equally significant, CSI's Project Manager will seek input from in-house and subcontractor personnel who have relevant expertise, and will consult with the County for concurrence with the approach prior to its implementation. Such interaction will be implemented rapidly to minimize the effects of such variances.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Stormwater Engineering
Effect of Firm's Recent, Current,
and Project Workload**

SECTION D

D.1 NAMES AND DESCRIPTIONS OF PROJECTS CURRENTLY UNDER CONTRACT AND ANTICIPATED COMPLETION DATES.

This section is prepared in order to examine CSI's current and projected workload as it relates to CSI's ability to perform Leon County's work in a timely and effective manner. The table that follows lists the projects which currently have or are projected to have meaningful activity associated with them.

Each project is listed along with the estimated number of man-hours remaining, target completion date and the estimated average man-hours per month required. Although these are average figures and reflect work for departments affected by Leon County work, it should give the reviewers insight into the availability of CSI staff to complete any tasks assigned to us.

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Civil Department - Roadway, Stormwater, Traffic			
City of Lakeland - Southeast Water Booster Upgrade	1460	09/2012	80
Confidential Client - Distribution Center Expansion	310	09/2012	17
Pulte Home Corporation - Del Webb Orlando Amenity Center	230	01/2012	23
The Drummond Company - South Village	310	01/2012	31
USF Polytechnic - Stormwater, Water Main/Sewer Force Main Extensions	480	10/2011	70
Lake Wales Housing Authority - Sunrise Redevelopment	120	06/2011	40
Polk County Public Works - Harden Pipkin Widening Project	75	12/2011	8
FDEP - Atlantic Ridge State Park	75	12/2011	8
Highlands County BOCC - Hammock and Lakewood Roads	115	12/2011	12
Miscellaneous Projects	320	12/2011	40
Subtotal	3375		330

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Environmental Risk/Environmental & Occupational Health & Safety Departments - Environmental Support Services			
Major Super Market Chain (Confidential Client) - Drycleaning Site Rehabilitation	TBD	Ongoing	40
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	60	09/2011	10
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	40	06/2011	20
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	TBD	Ongoing	10
Major Super Market Chain (Confidential Client) - Phase I/II ESA	60	05/2011	30
School District of Hillsborough County			
Aboveground Storage Tank (AST) Release	384	04/2013	16
Greenfleet Remediation	80	06/2011	40
MOC Remediation	180	12/2011	20
Fuel Storage Tank Compliance Monitoring	240	12/2011	24
Continuing Environmental Services	Ongoing	10/2013	300
Pinellas County - Brownfields	160	04/2011	160
Southern Wine and Spirits - Petroleum Site Rehabilitation	144	04/2013	6
The Sembler Company - Solvent Site Rehabilitation	72	04/2012	6
Integrated Metal Products - Petroleum Site Rehabilitation	60	06/2011	30
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Live Oak	120	09/2011	20
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Mulberry	192	04/2013	8
Telogia Power Biomass - Consulting Services	108	12/2011	12
City of Tallahassee			
Technical Specs and Third-Party Observations	50	4/2011	50
Stormwater Sediment Sampling and Beneficial Use	20	3/2011	N/A
Solomon C&D Landfill - Consulting Services	99	12/2011	11
Department of Management Services - Continuing Services	2800	12/2013	80

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Capital City Bank - Phase I/II Continuing Services	250	Ongoing	25
FAMU - Continuing Services	300	Ongoing	30
Subtotal	5419		948
Environmental Department - Utility Engineering			
City of Auburndale Continuing Services	158	10/2011	20
City of Bartow Continuing Services	138	10/2011	17
City of Bartow Headworks Construction	944	10/2011	135
City of Bartow Airbase Sewer Construction	728	10/2011	104
City of Bartow NE Force Main Construction	1324	09/2011	221
Town of Dundee Utility Relocates	50	05/2011	25
City of Frostproof WWTP	1333	03/2012	111
City of Frostproof Continuing Services	141	10/2011	18
City of Lakeland Generators	800	11/2011	100
City of Lake Alfred Facility Plan	374	12/2011	62
Polk County Mann Road Well	400	03/2012	33
Polk County Environmental Monitoring	400	04/2012	29
Tohopekaliga Water Authority	808	12/2012	50
City of Wauchula Well	540	06/2011	135
City of Tarpon Springs Vacuum Sewers	280	07/2012	28
City of Winter Haven WWTP #3	50	06/2011	17
City of Largo GW Study	15	04/2011	15
City of Tallahassee Capital Circle	231	07/2011	77
Subtotal	8714		1197
Total	17511		2502

D.2 FIRM'S ABILITY TO ABSORB PROJECTS RESULTING FROM CONTRACT.

CSI understands that having readily available personnel who have appropriate capabilities and experience to promptly address assigned tasks is essential to our ability to be responsive to the County's needs. Our primary operating philosophy is that in order for us to be successful, we must help our clients to be successful. Thus, we maintain what is by industry standards a high level of excess capacity enabling us to reliably and effectively respond to our clients' short- and long-term needs.

By viewing the table provided in Section D.1, it is possible to gauge the ability of CSI staff to promptly and efficiently respond to any assignments authorized by the County. Projects have been grouped by technical group to give an additional view of the distribution characteristics. As a reference, Environmental Services projects tend to be smaller short-term projects while the engineering projects tend to have a longer project span. While this methodology is an approximation, it provides an indication that sufficient resources are available to meet the County's needs.

Another way of looking at the numbers would be that our current utilization (based on percentage of time our personnel are committed to other ongoing projects) has been running on the order of 60%. Note that this estimate is based upon a 40-hour work week. CSI staff has been accustomed to working a 50 to 60-hour work week as necessary to meet our clients' project needs. This means that we currently have the time available to immediately devote staff to your project.

CSI's current workload is such that we have more than adequate staff and available man-hours to perform the County's planning projects. The individuals specifically chosen for your project team were selected not only for their experience, location, and knowledge, but also because of their immediate availability to the County.

Should workload from the County or other clients increase to a point that existing staff is stretched, CSI has a recruitment program that would be used to bring additional qualified staff on board. In fact, this is what we hope will happen. It is our complete intent to grow the Tallahassee office so as to provide even better service to Leon County. In the meantime, the CSI management system and work ethic is such that we can't envision a situation where we would cause a delay for Leon County in this regard.

We believe you will find CSI to be the ideal size firm to meet the County's needs. CSI is large enough to have the resources to meet the technical demands of the County's projects, yet small enough that the County will always remain a very important client to us. CSI looks forward to the opportunity to demonstrate how effective a professional relationship can be between the County and its engineering consultant. This has been the basis for our success over the past six decades.

In summary, CSI currently has adequate personnel available, both in quantity and quality, to deliver timely projects for Leon County.



LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Stormwater Engineering
Effect of Project Team Location

SECTION E

E. EFFECT OF PROJECT TEAM LOCATION.

Dedicated Resources (Tallahassee, Lakeland and Tampa)

It is CSI's intent to provide Leon County with the services described in this RFP from our local Tallahassee Office. Should specific projects require supplemental manpower, specialized technical support or additional administrative assistance, those resources will be provided by the Lakeland and Tampa Offices utilizing the personnel identified in Section A. In any event, project management is scheduled to be conducted from the Tallahassee Office. This will provide timely and knowledgeable response to the County on projects assigned to CSI.

Mr. Alan Hart, PE, will be designated as the Program Manager for the County work. Mr. Hart and Mr. Tom Lewis, PG, our Tallahassee Office Manager, will be responsible for day-to-day operations on all Leon County projects. Both Mr. Hart and Mr. Lewis are located in the CSI Tallahassee Office. CSI anticipates locating the QA/QC review officer assigned to the Leon County contract outside of the Tallahassee office. This would be done to provide an additional level of independence and objectivity during project review. Dr. Jim Chastain, PE, MPH, will be CSI's Principal-In-Charge for this contract and has served in this capacity for many years, as well as providing technical oversight on projects and new technologies.

After reviewing this RFP, we can emphatically state that CSI has the manpower, the equipment, the professional expertise...and the desire...necessary to provide the services envisioned under this RFP. Additionally, CSI intends to utilize MBWE resources whenever possible as indicated in Section A.

The following is a list of CSI Registered Professionals/Staff in the Tallahassee, Lakeland and Tampa Offices designated to provide Civil Engineering Services for Leon County. Please refer to the project team resumes and organization chart presented herein for the various areas of expertise of each professional and their availability.

Tallahassee, Lakeland and Tampa Offices

- Alan Hart, PE
- Tom Lewis, PG
- Paul Osley, PE, BCEE, CIH, CSP
- Jim Chastain, Jr., PhD, PE, MPH
- Steve McConn, PE
- Ron Cauthan, PE
- Ken Thiele, PE
- Steve Dutch, PE
- David Buyens, PE
- Chris Sipe, PE
- Wendy Contner, PE
- Greg Lassi, PG, MPH
- Charles Browning, PG
- Art Wade, PWS
- Robin Losh
- Danny Stump, CHMM
- 6 Land Survey Crews
- 7 CAD Operators/Designers
- Administrative Staff

We take pride in our ability to deliver our services, as promised, to our clients. As such, CSI does not pursue projects or contracts, no matter how desirable, if we know our resources will not support the client in the manner requested. We have carefully reviewed the Leon County RFP, and are confident that we can deliver the same level of high quality and effective professional consulting services to Leon County as we have for the other Clients referenced in this RFP over the past 60+ years of service.



LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Stormwater Engineering
Approach to the Project

SECTION F

F. APPROACH TO THE PROJECT.

Through experience with similar clients, CSI's basic approach will be to act as an extension of the Leon County Design Staff. CSI will work closely with Leon County to clearly define the services required for a quality product (scope), the timeframe that best meets the needs of the County while providing ample time to complete the project successfully (schedule) and allocation of staff at appropriate levels to complete the project in a fiscally responsible way (budget). This holistic project approach will ensure a high quality, constructible project.

Project Design Team

CSI has provided many of these services under contracts with similar clients throughout Florida. These types of contracts include environmental, stormwater management design services, permitting administration and roadway engineering design services. CSI has put together a strong in-house staff (see organization chart) along with sub consultants that will be able to meet the needs of the County for all aspects of design projects. *CSI's Program Manager, Mr. Alan Hart, P.E.*, has been involved with Leon County projects for the past 15 years and has worked extensively with Leon County over the past 4 years. Mr. Hart has an understanding of the County's priorities because he has worked with various Leon County Project Managers on roadway, intersection and drainage projects over that time. He understands the procurement and proposal process and the need for strong communication on projects with the County. He has been involved in the design and permitting process, has strong knowledge of the County's design standards and plans production process and has permitted several projects with the Northwest Florida Water Management District under the new Phase II requirements. Mr. Hart will serve extensively as the liaison to the County and will lead all aspects of projects. Mr. Hart will also serve as the Engineer of Record for all projects. Personally, Mr. Hart has lived in Tallahassee since 1995 and understands the needs of the community. He is firmly committed to serving the community that he loves and considers home.

Management oversight for this contract will be provided by *Dr. Jim Chastain, Jr., P.E., Principal-in-Charge*. Dr. Chastain has a BS in Civil Engineering (honors) and a Master of Engineering from the University of Florida. In addition he has a Master of Public Health and a Ph.D. from the University of South Florida, both focusing on Environmental and Occupational Health. Dr. Chastain is the President of CSI and will be responsible for ensuring the availability of appropriate CSI resources for this project and in conjunction with Mr. Hart will provide technical oversight of the project delivery process. Dr. Chastain has ultimate contractual authority for the firm and has authorized Mr. Hart and Mr. Lewis to speak for the firm in matters related to this contract.

Quality Assurance/Quality Control for this contract will be provided by *Mr. Ron Cauthan, P.E.* Mr. Cauthan has over 35 years of experience in all aspects of Civil Design. Mr. Cauthan's areas of expertise include the following:

- Storm Water Management System Design
- Permitting and Construction Supervision for Streets, Highways
- Parking Area Design

- Water Distribution and Wastewater Collection/Pumping Systems
- Site Planning

Mr. Cauthan will provide complete reviews on major submittals to the clients as well as checking of calculations, review of plans for aesthetics and constructability. He will also conduct internal audits to assure that project files are in working order.

CSI Organizational Structure

CSI generally uses a functional organizational structure for its project structure. Over the years we have found this arrangement to be the most means for us to provide civil engineering services for projects of the magnitude describe in the RFP. This efficiency is obtained through the structure's simplicity and from organizing personnel by specialty.

Key benefits of CSI's project team organization include the following:

Single Point of Contact. CSI's Lead Project Manager, Alan Hart, P.E., located in our Tallahassee office, will serve as the single point of contact with Leon County. Channeling communications through this single point of contact will contribute to effective communication. This begins with a clear definition of the County's design objectives, scope, budget and schedule requirements. This is then reflected in the task authorization and fosters a more collaborative relationship between the County and CSI. A clear understanding of the project objectives and constraints allows the project manager to more efficiently organize the project tasks and assignments.

Clear Definition of Roles, Responsibilities, and Authority. The functional organization provides very clear definition and communication of roles and responsibilities, and also clearly identifies reporting relationships with lines of authority. This clarity enhances productivity because it allows personnel to remain focused on completing their work assignments.

Monthly Reporting. Consistent reporting of project progress, budgets and issues provides the County with a firm understanding of the project status. This allows County staff to more accurately manage the project from their perspective as well as improving communication within the County organization. CSI uses the PlanTrax method to manage the project internally and will readily share that information with the County if so desired.

Local Sub Consultants CSI will utilize local consultants to complete any tasks that lie outside of the abilities of our firm. This will not only provide the presence of local knowledge, it will also keep generated revenue at home. CSI will enlist the services of Environmental and Geotechnical Services, Inc, a WMBE, for all environmental components, Registe, Sliger Engineering Inc., an MBE, for all structural components and Moore Bass Consulting for all surveying, landscape architecture and transportation planning needs. These local firms have worked with Leon County on numerous occasions and have strong local knowledge that will strengthen the project team.

Independent QC Oversight. Although the Lead Project Manager is responsible for the overall quality of work, CSI's project team structure provides internal independent QC oversight to confirm that quality is not compromised in the quest to meet other project objectives in a timely and cost-effective manner. This is an important system of checks and balances necessary to responsibly manage risk and consistently deliver high quality service and work products.

The CSI Team includes in-house and subcontractor offices at several office locations. Efficient coordination among these offices is achieved by on-site meetings as well as utilizing our network facilities and internet conferencing. This enables communications to occur in real time. It also allows reports, design drawings, photo and video images to be shared concurrently...providing the capability to review them at different locations as if sitting side by side.

**TRAFFIC AND
INTERSECTION
ENGINEERING**

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A.2	Address of Support Offices
B.	Executive Summary
C.	Required Forms
C.1	Affidavit Certification Immigration Laws
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II. SPECIFIC PROPOSAL INFORMATION TO BE PROVIDED FOR EACH WORK CATEGORY

<u>Section</u>	<u>Title</u>
	Traffic and Intersection Engineering
A.	Ability of Professional Personnel
A.1	Total Number of Professionals Assigned to Category and Availability to Provide Service on Short Notice
A.2	Brief Resume of Key Personnel & Organizational Chart
A.3	SF 330s for Outside Consultants
	◆ EGS
	◆ Moore Bass Consulting
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B.1	List of Projects in Work Category Illustrating Experience and Current Staff Assignment

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C.	Willingness to Meet Schedule and Budget Requirements
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D.2	Firm's Ability to Absorb Projects Resulting from Contract
E.	Effect of Project Team Location
F.	Approach to the Project



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Traffic and Intersection Engineering
Ability of Professional Personnel**

SECTION A

SECTION A.1 TOTAL NUMBER OF PROFESSIONALS ASSIGNED TO CATEGORY AND AVAILABILITY TO PROVIDE SERVICE ON SHORT NOTICE.

The following information is provided to demonstrate the number of staff members available to provide the professional services requested. A more detailed description of these individuals, showing our proposed **Team Organization Chart, resumes including education, certifications, licenses, professional credentials, and experience**, is presented in the following pages and are specific to the respective work category. Staff members relevant to this contract include:

Professional Engineers -	21	Industrial Hygiene Engineer -	1
Professional Geologists -	4	EOHS Specialists -	7
Environmental Scientists -	4	Industrial Hygienists -	3

Of importance to note is that the professional staff mentioned herein who will be working directly on similar County Client projects **combine for over 500 years of service at CSI** performing the specific type of project duties required by Leon County for this contract. Based on current workload, these individuals stand ready to respond to the County's needs to meet both schedule and budget constraints.

TRAFFIC & INTERSECTION ORGANIZATIONAL CHART



LEON COUNTY PUBLIC WORKS

Jim Chastain, PhD, PE, MPH
[Principal-in-Charge]

Alan Hart, PE
[Program Leader/
Primary Designer]

Ron Cauthan, PE
[QA/QC Oversight]

Wendy Contner, PE
[Environmental/
Stormwater Permitting]

Kristen Buzzanca, Esq.*
[QA/QC/
Code Compliance]

*Does not constitute legal advice

Steve McConn, PE
[Constructability Reviews/
Plans Preparation]

Chris Sipe, PE
[Stormwater Mgmt; Roadway &
Intersection Design; Ped. Access]

Art Wade, CWS
[Natural Features Delineation/
Environmental Impact Analysis]

Lisa Lassi, PE
[Special Technical
Specifications]

Robin Losh
[Production Designer/
CAD Support]

Ted Fylstra
[Funding Support/
Grant Administration]

Sub-Consultants

EGS
Geotechnical Engineering
Support

Moore Bass Consulting
Surveying Support
Transportation Planning
Signalization

Registe Slinger, Inc.
Structural Engineering
Support



James R. Chastain, Jr. PhD, PE, MPH

President

• 40 years with Chastain Skillman, Inc.

Education:

- University of South Florida PhD
- University of South Florida MPH
- University of Florida ME Environmental Engineering
- University of Florida BSCE (cum laude)

Other Experience/Qualifications

- Diplomate/American Academy of Environmental Engineers
- National Institute of Health/HSDB Scientific Peer Reviewer

Clients Have Included:

- QA/QC technical reviews
- Data analysis/statistical analysis
- Water chemistry
- Treatment process design
- Project management

Active Registrations:

- PE/Florida (PE 16277)
- PE/Georgia (PE 12080)

WATER AND WASTEWATER PROCESS DESIGN

Performed master water and wastewater studies including computer simulations for 8 cities/counties and numerous private utilities. Developed proprietary computer program for wastewater process design. Lead designer for bottled water and process water plant design for major grocery distributor, including activated carbon filters, mixed bed deionization, and ozone injection. Design engineer for numerous wastewater treatment facilities up to 4.0 MGD. Design engineer for municipal water treatment plants.

MUNICIPAL AND PUBLIC HEALTH ENGINEERING

Published research on public water system security; provided engineering design for numerous pump station/force main projects for municipal and county clients; developed a wastewater reuse guidance from a public health aspect; interpretation of scientific health studies with application to public water and wastewater systems; Solid waste leachate characterization studies and treatment systems.

CIVIL ENGINEERING

Design oversight and QA/QC tasks for company stormwater and utility designs. Principal in charge of over 50 civil engineering design projects including a 1400 multi-use Development of Regional Impact (DRI) with associated sub-projects.

REGULATORY AGENCY LIAISON

Associated with over 400 system permit applications; assisted clients in resolution of difficult permit situations including representation before state environmental agencies and the EPA/Atlanta as well as Administrative law proceedings

FEASIBILITY STUDIES

Associated with over 100 feasibility studies or facility plans. These plans have included evaluation of alternative engineering designs, net present value/ROI or other economic considerations, institutional feasibility, permit mapping, funding alternatives, and public participation; Principal in charge for over \$50M in grant or subsidized loan funding activities.

RISK ASSESSMENT AND WATER CHEMISTRY

Scientific Peer Reviewer for National Institute of Health/National Library of Medicine Hazardous Substances Databank (HSDB); more than 50 Groundwater contamination assessment and treatment studies; oversee corporate initiatives into evaluation and implementation of new technologies.



Alan Hart, P.E.

Project Manager

- Less than 1 year with Chastain Skillman, Inc.
- 15 years in the Industry

Education:

- Georgia Institute of Technology
BCE Civil Engineering

Areas of Expertise:

- Stormwater Management Facilities
- Stormwater Conveyance Design
- Roadway Design
- Site Development Design
- PD&E Studies
- Watershed Modeling

Clients Have Included:

- Suwannee River Water Management District
- Florida Department of Transportation
- Bay County/Meeks Development
- Summit East Development
- St. Joe Land Company

Active Registrations:

- Registered Professional Engineer (Florida PE #58055)

OVERVIEW

Mr. Hart has over 15 years of experience in the planning, design, permitting, and management of civil engineering projects and related fields, including site and roadway design. He specializes in the design of stormwater management facilities; treatment system design and permitting; roadway design; development, subdivision and street planning and design; and water distribution and wastewater and reuse systems design. Mr. Hart's professional engineering experience includes working with firms that provide services for both the Leon County and the City of Tallahassee. Mr. Hart has worked on major FDOT roadway projects in both the planning and the design phases. He has also worked with numerous private developers on site development design projects.

Prior to joining Chastain Skillman, Mr. Hart was a Senior Project Manager in responsible charge on multiple projects for an engineering consulting firm. He provided services to both Leon County and the City of Tallahassee as the consultant's Project Manager on the projects listed below.

Chastain Skillman proposes Alan Hart, PE, as the Program Manager for this Engineering Services Continuing Services Contract. Mr. Hart has been managing projects successfully for the past ten years. As Program Manager, he will be responsible for the scoping, budgeting and scheduling of each new task assignment. He will be responsible for the design and/or management of each assignment to assure that it complies with the approved objectives, delivery schedule and budget. Most importantly, Mr. Hart will work closely and communicate effectively with the County to assure that the resulting assignment deliverables meet the County's stated objectives.

RAYMOND TUCKER ROAD DRAINAGE PROJECT, PHASE I & II

Project Type: County | **Cost:** \$165,000

Responsible for the existing and proposed conditions model for a 2300 acre drainage basin that flows to Lower Lake Lafayette. Also responsible for the re-design of the cross-drains located beneath Raymond Tucker Road, Golden Pheasant Drive, E. Windwood Way and Weeping Willow Way. During Tropical Storm Faye, these roads were overtopped by stormwater runoff from the storm. The proposed conditions model was developed to determine new size of the cross drains under these roads to alleviate overtopping in a similar future event.



Wallace R. Cauthan, P.E.

Vice President of Civil Engineering

- 31 years with Chastain Skillman, Inc.
- 36 years in the Industry

Education:

- The Citadel
BS Engineering
- FDOT
Bridge Inspection Training
- FDOT
Advanced Maintenance of
Traffic Certification

Areas of Expertise:

- Stormwater and Drainage Design
- Roads and Highways
- Municipal Engineering
- Linear Utilities/Water and Wastewater
- Parks and Recreation Projects
- Educational Facilities
- Local, State and Federal Permitting
- Project Management

Clients Have Included:

- Highlands Co. BOCC
- Polk Co. BOCC
- Hardee Co. BOCC
- City of Bartow
- City of Avon Park
- City of Sebring
- City of Frostproof
- Florida Dept. of Env. Protection,
Division of Parks and Recreation,
Bureau of Design and Construction
- South Florida Community College
- Lowes
- Home Depot
- Habitat for Humanity
- Tanglewood Mobile Home Community
(John Greytak)
- Highlands Ridge Associates, Inc.

Active Registrations:

- Registered Professional Engineer
(Florida #25763)
(North Carolina #13081)
(Georgia #015837)

HIGHWAYS & DRAINAGE

Served as Civil Project Manager and Lead Civil Engineer on a variety of roadway widening and highway construction projects in Central Florida. Clients have included both cities and counties. These projects have ranged from initial PD&E Studies evaluating roadway corridors to preparation of design and construction drawings. Each of these projects has presented unique permitting issues ranging from threatened and endangered species to noise studies. All of these projects have had drainage related issues of concern. Designed and permitted projects in the South, Southwest, St. Johns and North Florida Water Management Districts. Tasks have ranged from design of the storm water conveyance systems to modeling of the storm water management systems.

COUNTY/MUNICIPAL ENGINEERING

For approximately 15 years served as the County Consulting Engineer for Highlands County. In that capacity served as an extension to the County Manager and County Engineer dealing with a full range of issues that confronted the staff on a daily basis. These assignments could range from dealing with a flooding problem at a local residence to assisting with annual budget development to Commission presentations on engineering topics. Supplemented County staff on the design of miscellaneous intersection and drainage improvements as dictated by their needs. Also served in this role for several small communities in central Florida.

LINEAR UTILITIES/WATER AND WASTEWATER

Civil Project Manager and Lead Civil Engineer on many linear utility projects over the past thirty years. These projects have ranged from relocation of water and wastewater utilities for roadway widening projects to extension of natural gas mains to new industry locating in the area. In addition to design services, these projects included utility permitting and construction management.

PARKS AND RECREATION PROJECTS

Over the last five years designed seven recreation and park projects in Central Florida. These projects have ranged from passive parks on environmentally sensitive tracts to active parks having baseball, softball, football and soccer facilities. Clients have ranged from the Florida Department of Environmental Protection and the Florida Fish and Wildlife Conservation Commission to the Water Management Districts and local municipalities.



Wendy G. Contner, PE

Project Engineer - Stormwater (ERP) Design and Permitting

• 6 years with
Chastain Skillman, Inc.

• 6 years in the Industry

Education:

• University of South Florida
BS Civil Engineering

Areas of Expertise:

- Stormwater and
Drainage Design
- Hydrological Studies
and Floodplain Mapping
- Water Use Permitting

Clients Have Included:

- The Ruthvens, Inc.
- Lakeland Christian School, Inc.
- Publix Super Markets, Inc.
- The Drummond Company, Inc.
- Polk County School Board
- Habitat for Humanity
- Polk County
- City of Bartow
- City of Auburndale
- Pulte Home Corporation
- Central Maintenance
and Welding, Inc.
- Fields Motorcars of Florida, Inc.

Active Registrations:

- Registered
Professional Engineer
(Florida P.E. #70604)
- LEED Green Associate
(ID # 10626154)

STORMWATER, DRAINAGE AND SITE DESIGN

Project Type: Commercial/Residential/Institutional/Municipality

Size: 0.5 acre - 300 acres | **Cost:** \$30,000 - \$200,000 +

Performed stormwater management design services for commercial, residential, institutional and industrial land development projects. This has included stormwater master planning, multi-phase designs, multiple interconnected pond systems, hydrologic and hydraulic modeling and nutrient loading calculations. Interfaced with permitting through the local regulatory and review agencies, including the Water Management Districts, local municipalities, FEMA, FDOT and FDEP. Provided post-construction stormwater compliance and re-certifications with the various regulatory and review agencies. Design software familiarity includes Ponds, ICPR, Hydraflow, StormCAD and AutoCAD.

HYDROLOGICAL STUDIES & FLOODPLAIN MAPPING

Project Type: Commercial/Residential/Institutional

Size: 18 acres - 2,000 + acres | **Cost:** \$10,000 - \$100,000 +

Performed hydrological analysis and flood plain modeling for land development projects ranging from one (1) acre to 2,000 acres. This has included pre-and post-development modeling, floodplain encroachment and compensation calculations and establishment of Base Flood Elevations for FEMA map amendments.

WATER USE PERMITTING

Project Type: Commercial/Residential

Size: 2 - 100 acres + | **Cost:** \$6,000 - \$20,000

Provided water use permitting services to obtain permits from the Water Management Districts. The process includes data collection, beneficial need justification, water conservation plans and irrigation quantity modeling (AGMOD).



Kristen M. Buzzanca, J.D.

Corporate Contracts Administrator

- 2 years with Chastain Skillman, Inc.
- 10 years in Private Practice as Commercial Litigator

Education:

- Stetson University College of Law
Juris Doctor, cum laude
- University of South Florida
BA

Areas of Expertise:

- QA/QC
- Code/Regulatory Compliance
- Civil and Commercial Litigation

Clients Have Included:

- Lake Alfred
- Town of Dundee

Active Registrations:

- Member, The Florida Bar
- Member, Lakeland Bar Association
- Admitted U.S. District Court for the Middle District of Florida
- Graduate of Leadership Winter Haven

QA/QC (QUALITY ASSURANCE/QUALITY CONTROL)

- Review, revise and negotiate contracts
- Review requests for proposals and bid submittals
- Propose alternative structures to mitigate risks
- Monitor all quality related activities on the project
- Prepare project quality system management documentation prior to project commencement
- Review quality inspection personnel qualifications and training requirements
- Recommend and implement improvements when required
- Attend client quality management meetings
- Coordinate all quality related correspondence with client representatives
- Review and respond to client concerns

CODE/REGULATORY COMPLIANCE

- Implement organizational policies, standards and procedures to comply with applicable codes and regulations
- Respond to inquiries from regulatory agencies



Stephen D. McConn, PE

Regional Office Manager - Lakeland Office

Senior Consultant - Civil Engineering Department

- 3 years with Chastain Skillman, Inc.
- 18 years in the Industry

Education:

- The Georgia Institute of Technology
Bachelor of Civil Engineering

Areas of Expertise:

- Feasibility studies, entitlement, design, permitting, and construction support for land development projects, including stormwater facilities, wastewater treatment, off-site utility extension, and roadway improvements

Clients Have Included:

- Drummond Company
- Florida Southern College
- City of Bartow
- City of Lake Alfred
- City of Atlanta
- Fulton County Public Works
- Forsythe County Public Works

Active Registrations:

- Registered Professional Engineer: Florida #67840; Georgia #25186; Alabama #26661-E; Ohio #61834

ROADWAY DESIGN

Project Type: Commercial/ Residential/Industrial/Institutional/Municipal

Size: 500 feet to 37,000 feet | **Cost:** \$100,000 - \$25,000,000

Performed project management and design service for several roadway projects associated with commercial, residential, industrial, and institutional development projects. This has included roadway master planning, roadway design, drainage design, permitting, bid solicitation, and construction observation. Projects included master planning for a seven mile connector road between two state routes, the design of turn lane improvements on several state routes related to large residential developments, design of roadway widening projects to increase the capacity of the existing facilities, and the design of local subdivision streets in the development of residential projects. Coordinated projects with local and state review agencies, including FDOT, ALDOT, and GDOT.

CONSTRUCTION MANAGEMENT AND OVERSIGHT

Project Type: Residential/Commercial

Size: 500 feet - 20,000 feet | **Cost:** \$100,000 - \$5,000,000

Provided construction management and oversight on several roadway improvements including the construction of turn lanes on Georgia State Routes 20 & 92, turn lane improvements on Ball Ground Highway, Canton, Georgia, intersection improvements at Windemere Parkway and Melody Mizer Lane in Cumming, Georgia. This included bid coordination, contractor selection, construction management, utility relocation, inspector coordination, and maintenance acceptance by public agency.



Christopher B. Sipe, P.E.

Senior Project Manager

- 23 years with Chastain Skillman, Inc.
- 26 years in the Industry

Education:

- University of Florida
BS Civil Engineering

Areas of Expertise:

- Site Development Engineering and Project Management
- Stormwater Design and Analysis
- Roadway Improvements
- Subdivision Design
- Commercial Complexes
- Industrial Parks
- Utilities Design
- Municipal Parks

Clients Have Included:

- The Drummond Company, Inc.
- The Ruthvens, Inc.
- Madonia Tomato Processors
- IMC Fertilizer, Inc.
- CF Industries, Inc.
- City of Auburndale
- City of Winter Haven
- City of Bartow
- City of Lakeland
- Polk County
- Sun 'n Fun EAA Fly-In, Inc.
- Watson Clinic
- Lakeland Regional Medical Center
- Century Realty Funds, Inc.
- La Quinta Inns, Inc.
- Diocese of Orlando
- Victory Assembly of God
- St. Pauls Lutheran Church
- First United Methodist Church
- Private/Individual Developers
- Major Supermarket Chain (Confidential Client)

Active Registrations:

- Registered Professional Engineer (Florida PE #42751)

CONSTRUCTION SERVICES

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 100+ acres | **Cost:** \$10,000 - \$4+m

Performed reviews of construction activities for compliance with plans and permit requirements. This included review of submittals and shop drawings, progress pay requests, and general compliance with the plans and specifications.

STORMWATER DESIGN AND ANALYSIS

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 2,000+ acres | **Cost:** \$20,000 - \$250,000

Provided services relating to the design and analysis of stormwater management systems for land development projects including commercial, industrial, residential, and municipal projects. Projects range from minor, single retention area systems to multi-phase, multi-pond, interconnected systems. Services included design, permitting, and implementation. Examples of regulatory agency involvement includes: local municipalities, water management districts, FEMA, FDEP, ACOE, and FDOT.

SITE DEVELOPMENT ENGINEERING AND PROJECT MANAGEMENT

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 200 acres | **Cost:** \$15,000 - \$250,000

Project manager for land development projects including commercial, industrial, residential, and municipal projects. Services included the design, analysis, and permitting for stormwater management systems, site layout, utilities (water and wastewater), streets, drainage, storm sewer systems, earthwork, grading, etc.



Arthur D. Wade III, PWS

GIS Data Management; Wetlands and Habitat Delineation

- 10 years with Chastain Skillman, Inc.
- 16 years in the Industry

Education:

- Florida Southern College
BS Biology

Areas of Expertise:

- Wetlands delineation, mitigation, and permitting
- Gopher Tortoise surveys and permitting
- Seasonal High Water Table (SHWT) determination
- Geographic Information System (GIS) applications
- Wetland monitoring

Clients Have Included:

- ALMY, Inc./ADVIGO
- Central Beef
- Century Realty
- City of Auburndale
- City of Bartow
- City of Eagle Lake
- City of Frostproof
- City of Lakeland
- City of Mulberry
- City of Tallahassee
- City of Wauchula
- Highlands Enhancement, Inc.
- Jacksonville Electric Authority
- Parsons Brinckerhoff Quade & Douglas
- Publix Supermarkets, Inc.
- Polk County
- Ruthven Real Estate
- USS Real Estate

Active Registrations:

- Professional Wetland Scientist (#1799)
- Certified Florida Department of Environmental Protection (FDEP)
- Erosion and Sediment Control Inspector (#11599)
- Gopher Tortoise Authorized Agent (FWC Permit No. GTA-09-00247)

GIS APPLICATIONS

Project Type: Commercial/Residential/Institutional/Municipal

Size: over 500 projects | **Cost:** Over \$150,000

Developed GIS databases and plotted geospatial characteristics using ARCEditor that have involved land development permitting and design, due diligence, utility relocations, and roadway improvement projects. This has included downloading data from the public domain, combining that with empirical data collected during site investigations, and developing data layers to increase the utility of relevant information to improve site design.

WETLANDS DELINEATION, MITIGATION, PERMITTING. AND MONITORING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 0.1 acres - 200 acres | **Cost:** \$3500 - \$50,000

Performed wetlands delineation at more than 100 sites within the South Florida, Southwest Florida, St. Johns River, and North Florida Water Management Districts (WMDs). This included undeveloped and developed sites, and involved close coordination with WMDs and the Florida Department of Environmental Protection. These activities have been conducted in accordance with established Federal and State wetland methodologies. Types of projects supported by these activities have included: commercial and residential land development; municipal water, wastewater, and stormwater utility projects; roadway design; and electric transmission corridor design. Performed site investigation activities to determine SHWT through the use of vegetative, hydrologic, and hydric soil indicators for wetlands delineation.

GOPHER TORTOISE SURVEYS AND PERMITTING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 5 acres - 200 acres | **Cost:** \$5,000 -50,000

Authorized Gopher Tortoise Agent for surveying gopher tortoise habitats, assessing habitat quality, determining potential impacts of development on habitats, and permitting for capture and relocation to suitable alternative habitats.



Lisa Strine Lassi, PE, CDT

Specifications & Permitting

- 31 years with Chastain Skillman, Inc.
- 31 years in the Industry

Education:

- University of South Florida
ME
- University of South Florida
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design, permitting, and construction
- Administration of water and wastewater projects

Clients Have Included:

- City of Auburndale
- City of Bartow
- Century Realty Funds, Inc.
- Drummond Coal Company
- Highlands County
- City of Mulberry
- Villages of Highlands Ridge
- City of Avon Park

Active Registrations:

- Registered Professional Engineer
(Florida P.E. #44157)
- CSI Certified Construction Documents Technologist

WASTEWATER STUDIES AND DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Contributing engineer for design of a new 2.0 mgd Sequencing Batch Reactor wastewater treatment facility. Managed preparation of Operation and Maintenance Manual for regional wastewater treatment facility. Developed wastewater residuals land application management plan. Designed lift station improvements to include conversion from dry well to wet well with submersible pumps. Managed design and construction of pump stations and sanitary sewer rehabilitation.

SPECIFICATION PREPARATION

Project Type: Municipal/Commercial/Institutional/Industrial

Size: NA | **Cost:** \$250,000 - \$10,000,000

CSI Certified Construction Documents Technologist has responsibility for preparing Contract Documents following EJCDC format and technical specifications for all environmental engineering projects. Responsible for maintaining and updating both the EJCDC Construction Documents and CSI Masterformat system. Updates master technical specifications as required to keep current with industry standards.

PERMITTING

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$5,000 - \$80,000

Prepared a wide variety of permitting services, including NPDES industrial stormwater and compliance, Water use, Collection systems and pump stations, dredge and fill, and wastewater treatment plants.



Harry Robert Losh, Jr.

Project Manager - Tallahassee Office

- 25+ years with Chastain Skillman, Inc.
- 41 years in the Industry

Education:

- Polk Community College AS Pre-Engineering

Areas of Expertise:

- Permit coordination
- Utility and construction coordination
- Roadway and piping system design

Responsibilities:

Project Coordinator for designing streets, drainage systems, water systems, and sanitary sewers; researching existing utility records and coordinating designs with utility companies; completing permit applications (i.e., DOT Driveway and Utility permits, Polk County Utility permits, Septic Tank permits, Water System Construction permits, Wastewater System Construction permits), and coordinating information between governmental agencies, engineering, drafting, and survey departments.

Active Registrations:

- Registered General Contractor - Florida (License #RG0045960) [inactive]
- FDEP Qualified Stormwater Management Inspector
- Certified Asbestos Inspector

CITY OF TALLAHASSEE

Miscellaneous water and wastewater system extensions and relocations associated with roadway projects. Lead designer for Pump Station renovations and piping revisions.

HOLMES COUNTY

Lead Designer for CDBG-funded Rum Road Improvements to include preparation of construction documents for paving, shoulder and drainage improvements for a 3.3 mile long existing clay stabilized road.

CITY OF LAKELAND

Lakeland/Auburndale water system interconnect; misc. water and sewer relocations for F.D.O.T. roadway projects; English Oaks Wastewater Force Main- Approximately 7 miles in length of up to 30" pipe.

BENEFICIAL COMMUNITIES

Lead Designer for 80-unit, single-family residential development in Marianna, Florida including layout and design of roadways and drainage, water distribution system, wastewater collection and pumping system and site grading, permitting and coordination with jurisdictional agencies.

CHIPOLA AIRPARK

Lead Designer for 55-acre private residential air park in Greenwood, Florida including design of combination driveways/taxiways around the perimeter of a grassed runway and associated storm water collection system, and design of water distribution system.

CITY OF AUBURNDALE

Miscellaneous water and wastewater system extensions; Lake Stella walkway; agency coordination; water plant renovation; miscellaneous F.D.O.T. Joint Project Agreement projects; Master wastewater transmission mains supplying new regional wastewater treatment facility.

JACKSONVILLE ELECTRIC AUTHORITY (JEA)

Site grading and drainage and piping layout for Blacks Ford and Ponte Vedra wastewater treatment plant expansions.

CITY OF BARTOW

Effluent reuse force main to new Florida Power Corporation site

TOHO WATER AUTHORITY

Site paving layout, grading and drainage design; plant piping layout



Ted R. Fylstra

Project Funding Specialist

- 1.5 years with Chastain Skillman, Inc.
- 33 years in the Industry

Education:

- New Jersey Institute of Technology/Newark College of Engineering
- BS Industrial Engineering

Areas of Expertise:

- Funding Strategies
- Funding Research and Analysis
- Funding Application and Agreement
- Grant/Loan Administration
- Grant/Loan Compliance
- Monitoring
- Reporting Requirements
- Client Relations Management
- Audit Assistance

Clients Have Included:

- City of Bartow
- City of Belleview
- City of Fort Myers
- City of Frostproof
- City of Lake Alfred
- City of Marco Island
- City of Plant City
- City of Sarasota
- City of Wauchula
- Sarasota County
- Collier County

FUNDING SERVICES

Project Type: Municipal

Cost: Grants/Loans ranging from \$50,000 to \$140 million for 25+ communities

Grant/Loan Planning and Application Development:

Conduct a series of meetings with community representatives to determine and develop a comprehensive list of community-wide funding needs. Perform a Funding Analysis for this list resulting in a document providing potential funding sources and a strategy to maximize funding opportunities. Presentations to staff and management are conducted to finalize and adopt the plan.

Grant/Loan Application and Agreement:

Gather and collate information, prepare applications, and coordinate required community approvals. Coordinate with the funding agency to assure application is acceptable for the program. Coordinate the community agreement execution process.

Planning Requirements:

When the funding program requires a pre-construction planning process, manage and/or prepare the financial, environmental, technical and non-technical documents required to obtain environmental and financial approval of a project from State and/or Federal agencies. Coordinate the Public Hearing adoption process.

Administration:

Manage and coordinate the administration of the grant/loan with the community staff, consulting engineers, and funding agencies to ensure all agency grant/loan requirements are met, all expenses and revenues are properly reported, and successful audits are accomplished through the preconstruction, bidding, construction, disbursement, reporting, and close-out phases of the project.

Level of Assistance:

In the last ten years, efforts have resulted in excess of \$1.5 billion in funding for clients.



Traffic and Intersection Engineering
EGS SF 330

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

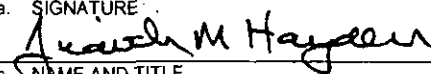
2a. FIRM (OR BRANCH OFFICE) NAME Environmental and Geotechnical Specialists, Inc.			3. YEAR ESTABLISHED 1992	4. DUNS NUMBER 79-285-9191
2b. STREET 104 N. Magnolia Drive			5. OWNERSHIP	
2c. CITY Tallahassee		2d. STATE FL	a. TYPE Corporation	
		2e. ZIP CODE 32301	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE Judith M. Hayden, P.E., President			7. NAME OF FIRM (If block 2a is a branch office)	
6b. TELEPHONE NUMBER (850) 386-1253		6c. E-MAIL ADDRESS Judy.Hayden@EGS-US.com		
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
27	Geotechnical Engineer	10		S 05	Soils & Geologic Studies	5
23	Environmental Engineer	3		T 03	Transportation Engineering	5
07	Biologist	1		E 01	Environmental Investigations	2
08	Civil Engineer Technician	6				
58	Laboratory Technician	6				
58	Field Technician	8				
Total		34				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE March 10, 2011
c. NAME AND TITLE Judith M. Hayden, P.E., President	

EGS

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Thomas H. Hayden, P.E. Geotechnical Engineering

Professional Credentials:

Bachelor of Science, Civil Engineering, University of South Florida, 2003

Professional Engineer in Florida

Professional Organizations:

American Society of Civil Engineers – 2008 President Tallahassee Chapter – 2008-2010 FAMU/FSU College of Engineering Student Chapter Liaison – 2009 Young Engineer of the Year

Florida Engineering Society – 2008-2009 K-12 Education Committee - 2006-2008 Math Counts Committee – 2009 Florida Engineering Leadership Institute Graduate

Geotechnical Materials Engineers Council

Special Qualifications:

- Over 10 years of Geotechnical design and investigation experience, including roadway studies, stormwater design, pavement design, and materials engineering
- Familiarity of FDOT Geotechnical Standards
- CTQP/ACI Certifications: Aggregate Field and Laboratory Testing Technician, Asphalt Plant Technician – Levels I and II, Field Sampler Technician, LBR Technician, Concrete Field Technician – Levels I and II, Concrete Laboratory Technician – Level 1, Quality Control Manager, Concrete Transportation Construction Inspection, Advanced Maintenance of Traffic Inspector and FDEP Erosion Control Inspector

Years Experience with EGS: 7; Years experience with other firms: 3

Relevant Experience:

GPI Southeast, Inc., Proposed Longleaf Development, Stormwater Treatment Facilities, Wakulla County, FL – Performed subsurface investigation of the proposed Longleaf Development. Provided client with subsurface conditions, encountered groundwater and estimated “normal” seasonal high groundwater, design infiltration rates, and anticipated construction considerations.

Carollo Engineers, Lake Bradford Road Wastewater Treatment Facility, Tallahassee, FL – Performed subsurface investigation of the proposed roadway and parking improvements at the Lake Bradford Wastewater Treatment Facility. Provided the client with design and reuse recommendations for each material STRATA encountered throughout project.

Florida Department of Transportation, District 3, SR 97 Pavement Core and Condition Survey, Escambia County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 97 in Escambia County, Florida. Provided the District with the types of pavement failure encountered, anticipated construction considerations, and design recommendations.

Florida Department of Transportation District 3, SR 61 Pavement Condition Survey and Design, Leon County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 61 (North Monroe Street) at the proposed Lake Jackson Eco-Passage. Provided the client with compaction characteristics of the existing embankment material as well as design recommendations for the proposed pavement.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Geotechnical Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 19

Years Experience with Other Firms: 18

Relevant Experience

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

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Relevant Experience, cont.

SR 95 (US29/Pensacola Blvd) From SR 8 (I-10) to 0.5 Miles North of SR 10 (US 98), FDOT District 3, Escambia County, FL (FDOT FPN 2186031-1-32-01) – The projects consisted of conducting the geotechnical studies for the roadway widening of SR 95 from 4 lanes to 6 lanes. The investigation included the analysis of subsoils for lane additions, culvert installations, storm sewer installation, mast arm signalization and retaining wall installation. Also included was the Geotechnical investigation for bridge widening, MSE walls, and the slope stability analysis of embankment areas.

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

SR 202 Reconstruction from West of Kernan Blvd. to San Pablo Road, FDOT District 2, Duval County, FL (FDOT FPN 209733-4-52-01) - Conducted the geotechnical investigation for the widening of SR 202 from 4 to 6 lanes in Duval County, Florida. The geotechnical studies included roadway reconstruction, pavement design, bridge widening, culvert extensions and stormwater ponds. Duties included conducting a reverse engineering study to determine the type, loads and depths of foundations for an overpass bridge on I-95 where there were no bridge plans and construction records available.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E. Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971

Bachelor of Science, Civil Engineering, Oklahoma State University, 1977

Master of Science, Civil Engineering, Kansas State University, 1979

Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter

Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow

American Public Works Association

National Society of Professional Engineers

Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

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

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

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

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

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

Judith M. Hayden, P.E.

Relevant Experience, cont.

Rum Road over Parrot Creek Bridge Replacement, Holmes County, FDOT District 3 – Served as project manager for environmental permitting for the replacement of the one-lane bridge on Rum Road with a two-lane structure on a new alignment. Prepared and obtained the environmental permits required by the Florida Department of Environmental Protection and the US Army Corps of Engineers for the bridge replacement. The project was on an emergency accelerated schedule due to the bridge failure as a result of storm damage.

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

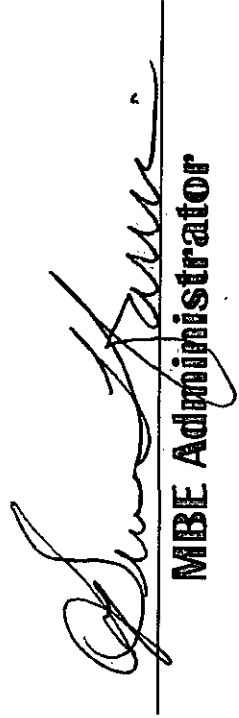


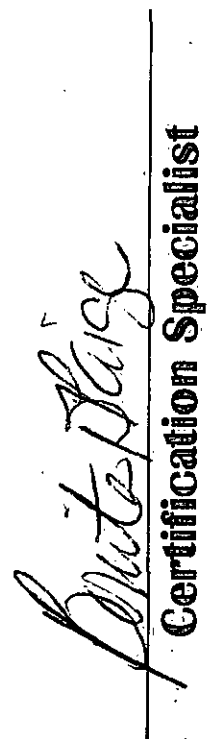
This certifies that
**ENVIRONMENTAL AND GEOTECHNICAL
SPECIALTIES, INCORPORATED**

is recognized as a
Minority/Women-Owned Business Enterprise
under the

City of Tallahassee and Leon County
Consortium Interlocal Agreement

For a period of one (1) year beginning:
May 18, 2010 to May 31, 2011


MBE Administrator


Certification Specialist



**Traffic and Intersection Engineering
Moore Bass Consulting SF 330**

Moore Bass

C O N S U L T I N G

Moore Bass Consulting, Inc. is an established professional company of engineers, land planners, surveyors, landscape architects, transportation planners, development consultants and experienced support personnel.

Founded in Tallahassee in 1991 by Richard A. Moore, P.E. and Karen K. Bass, P.E., Moore Bass has grown throughout the region to serve a wide range of land development consulting needs with offices in Tallahassee, Destin and Atlanta. Our pledge is to remain focused on each client's needs, assuring the highest measure of project success, from concept planning to construction completion and occupancy.

Moore Bass Consulting provides land planning, zoning, surveying, professional engineering and landscape architecture services for site development, roadway, drainage, water, wastewater and utility needs of both private and public clients. Our professional staff has extensive experience in all types of environmental permitting and civil engineering projects including site design, roadway systems, drainage systems, water distribution systems and sewage collection systems. We have the expertise and resources to respond efficiently to the specialized needs of public agencies and private land development interests.

Our clients include local, state, and federal government agencies as well as military, institutional, and industrial clients. Our design professionals are registered in Florida, Georgia, and Alabama and work regularly with a range of design conditions and permitting agencies. Our record of permitting projects proves that our system of preparation, planning, strategy development, project team organization, and execution yields results.

RELEVANT SURVEY EXPERIENCE

Traffic and Intersection Design

- Stadium Drive, Florida State University, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for traffic signal design and installation.
Client:	Florida State University Daryl Ellison 109 MMA, FSU Tallahassee, FL 32306-4152 (850) 645-1007
Completion Date:	March 2005
Project Manager:	Danny Davis

- Exeter Road Extension at Capital Circle NE, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for the extension of Exeter Road as part of the Evening Rose Subdivision project. The project included extension of the existing roadway, out to Capital Circle NE and installation of a new traffic signal.
Client:	K2 Urbancorp Dave Wamsley 1626 Cottage Rose Lane Tallahassee, FL 32308 (850) 222-3779
Completion Date:	September 2009
Project Manager:	Eddie Bass/ Danny Davis

RELEVANT SURVEY EXPERIENCE (Cont'd)

- Surgeons Drive Extension, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for the extension of Surgeons Drive as part of the TMH Cancer Center project. The project included extension of the existing roadway, out to Miccosukee Road.
Client:	Tallahassee Memorial Hospital Bill Giudice 1300 Miccosukee Road Tallahassee, FL 32308 (850) 431-5238
Completion Date:	December 2009
Project Manager:	Eddie Bass/ Danny Davis

Years Experience: 5
With Current Firm: 1.5

Education:

University of Florida,
Bachelor of Science in Civil
Engineering, 2004

Engineering College Dean's
List

Estridge Engineering
Scholarship and Florida
Academic Scholarship
recipient

**Professional
Organizations:**

Florida Board of
Professional Engineers
Engineer Intern
(#1100009403)

General Qualifications

Transportation Concurrency Analysis Mrs. Morgan assists the firm in the preparation of concurrency management system analyses for its clients. She has extensive experience in the concurrency implementation process, and has prepared concurrency analyses for a wide range of proposed uses, as well as assessed revisions to both the process and implementation of concurrency systems.

Traffic Analysis, Modeling, and Simulation Mrs. Morgan has conducted traffic analyses for a variety of projects. She has modeled traffic for numerous projects using Quick Response System (QRS), and has developed traffic simulation using Corsim/Netsim and SimTraffic for several proposed roadway projects. Mrs. Morgan has also managed extensive traffic signal analysis work using Synchro signalized intersection analysis software and Highway Capacity Manual methods of analysis.

Signal Warrant, Turn Lane, Roundabout, and Stacking Analyses Mrs. Morgan has performed signal warrants analyses, unsignalized and signalized intersection analyses, travel demand forecasting, roundabout analyses, turn lane warrants, stacking analyses, site access and circulation, safety/crash analyses, trip generation studies, and queuing analyses.

Campus Master Planning Mrs. Morgan has prepared the transportation elements for the master plans of universities. Such projects include the analysis of traffic impacts and the proposed mitigation cost of such impacts.

Developments of Regional Impact (DRI) Mrs. Morgan has been involved in several DRIs throughout Florida. She has been involved with the entire process of DRIs including the Preapplication Conference with all parties, preparation of the transportation study, and subsequent traffic monitoring and reports.

Areas of Expertise:

- Transportation and Land Use Planning
- Transportation Concurrency Analysis and Mitigation
- Traffic Impact Analysis
- Trip Generation Studies
- Campus Master Planning
- Development Review and Permitting
- Roadway and Intersection Design Details
- Site Plan Traffic Circulation
- Corridor Studies

Representative Projects:**Public Sector-Related Projects (Selected Examples)****Florida State University Campus Master Plan – Panama City, Florida and Tallahassee, Florida**

Client: Florida State University – Work involved the preparation of the transportation element of the Master Plan as well as analysis of transportation concurrency impacts and negotiation of a Campus Development Agreement to mitigate impacts. Work involved analysis of the Main Campus and the Southwest Campus in Tallahassee and well as the Panama City campus. Tasks also include analysis of significant bicycle/pedestrian issues, university parking requirements and campus traffic circulation.

Transportation Consulting – Crestview, Florida

Client: City of Crestview – Performed several tasks for the City, including analysis of comprehensive plan amendments, preparation of a traffic impact fee study, preparation of materials for a Level of Service variance for State Road 85, a Strategic Intermodal System (SIS) facility, and discussions with local, regional, and state review agencies.

School Sites Traffic Analysis – Tallahassee, Florida

Client: Leon County School Board – Performed analysis of vehicular, bicycle, and pedestrian issues for several school sites over extended period of time, including Roberts Elementary, Conley Elementary, Montford Middle, Apalachee Elementary, Lincoln High, Adult Community Education Center, and Gretchen Everhart School. Tasks include transportation concurrency analysis, operation analysis of external access points, and data collection and analysis of internal bus and student drop-off/pick-up issues.

Land Development Projects (Selected Examples)**Alys Beach – Walton County, Florida**

Client: EBSCO Industries – The project is a gulf-front traditional neighborhood design of 899 dwelling units, 180,000 square feet of commercial space, and a 64-room hotel. Provided transportation entitlement services through all phases of the process, beginning with the state Development of Regional Impact Binding Letter of Determination phase, then through the Planned Unit Development process, transportation concurrency analysis and mitigation negotiations, traffic operational analysis and permitting, and transportation assistance with technical documents.

Evening Rose – Tallahassee, Florida

Client: K2 Urbancorp Development Company – The project is a model for sustainable urban infill, incorporating commercial development on a major commercial corridor with housing at a range of price points, including inclusionary housing. Significant walkable community, with innovative sustainable design features such as parking management, certified green development techniques, bioretention stormwater facilities, and rain gardens as part of the residential stormwater component. Tasks included negotiating with development review

authorities to implement a Chapter 163 development agreement and land development regulation modifications to accommodate the development's transportation and concurrency innovations, traffic impact analysis, internal traffic circulation analysis, and signal warrant analysis and permitting.

Town of Hampstead - Montgomery, Alabama

Client: The Colonial Company – This project is a sustainable community with traditional neighborhood design of over 1,200 residential units and 400,000 square feet of commercial space. Analysis included issues associated with an embedded working farm and farmers market, offices and employment, and a wide variety of residential housing. The project scope included preparation of analysis and simulation of internal roadway circulation to identify potential transportation issues associated with proposed road layouts and assistance with related transportation and access issues.

Freedom Walk – Crestview, Florida

Client: Emerald Coast Partners, LLC – A development consisting of 489 dwelling units, 100,000 square feet of commercial space, and a 50,000 square foot YMCA. Transportation services included concurrency analysis and review for both the City of Crestview and Okaloosa County, operational analysis, and analysis of roadway improvements design criteria.

Red Hawk Ridge – Dawsonville, Georgia

Client: Knight Development – This work was the preparation of traffic impact analysis for this Georgia Development of Regional Impact (DRI). Tasks included transportation data collection, traffic impact analysis, modeling of affected town square traffic patterns, and operational analysis.

Fallschase – Tallahassee, Florida

Client: AIG Baker – This work included all aspects of transportation analysis for a change and subsequent development on this Development of Regional Impact (DRI) of approximately 1,500 dwelling units and 785,000 square feet commercial space. Tasks included transportation analysis, negotiation and objective discussion of technical land use and transportation issues, impact modeling, corridor-wide impact analysis, and traffic signal warrant studies and subsequent signal design and roadway improvement design oversight.

Canopy (Welaunee) - Tallahassee, Florida

Client: CNL Real Estate and Development Corporation – Prepared transportation analyses for this development that consists of 1,572 residential dwellings and 163,000 square feet of nonresidential development in mixed use Town, Neighborhood and Community Centers. Tasks included transportation concurrency analysis and mitigation negotiation, simulation and analysis of internal roadway network to document traffic-carrying ability of the planned dense urban road network, analysis to support and recommend typical section components, and operational analysis.

State of Florida

Department of State

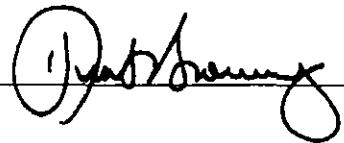
I certify from the records of this office that MOORE BASS CONSULTING, INC. is a corporation organized under the laws of the State of Florida, filed on August 1, 1991.

The document number of this corporation is S70049.

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

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

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



Secretary of State



Authentication ID: 000197412550-031011-S70049

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

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

Licensee Details

Licensee Information

Name: **Moore Bass Consulting, Inc. (Primary Name)**
(DBA Name)
Main Address: **805 North Gadsden Street**
TALLAHASSEE Florida 32303
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Certificate of Authorization**
Rank: **Cert of Auth**
License Number: **6108**
Status: **Current,Active**
Licensure Date: **09/19/1991**
Expires: **02/28/2013**

Special Qualifications Qualification Effective

[View Related License Information](#)

[View License Complaint](#)

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

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Licensee Details

Licensee Information

Name: **MOORE, RICHARD ALAN** (Primary Name)
(DBA Name)
Main Address: **MOORE BASS CONSULTING, INC.**
805 N. GADSDEN ST.
TALLAHASSEE Florida 323030000
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **38745**
Status: **Current,Active**
Licensure Date: **08/10/1987**
Expires: **02/28/2013**

Special Qualifications **Qualification Effective**

[View Related License Information](#)

[View License Complaint](#)

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

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State of Florida
Board of Professional Engineers

Karen Krapt Bass, P.E.



IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION: 2/28/2013
AUDIT NO: 228201318512

P.E. LIC. NO:
31902

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L09093001795

DATE	BATCH NUMBER	LICENSE NBR
09/30/2009	098063127	LC0000310

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

MOORE BASS CONSULTING INC
805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

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805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY



Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: LB7245

Expiration Date February 28, 2013

Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

MOORE BASS CONSULTING, INC
805 N GADSDEN STREET
TALLAHASSEE, FL 32303

A handwritten signature in cursive script, appearing to read "Adam H. Putnam".

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: LS5254

Expiration Date: February 28, 2013

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

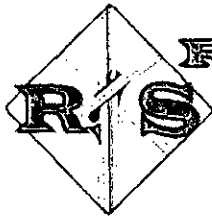
LARRY D. DAVIS
805 NORTH GADSDEN STREET
TALLAHASSEE, FL 32303

ADAM H. RUFNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



**Traffic and Intersection Engineering
Registe, Sliger Engineering, Inc. SF 330**



Registe, Sliger Engineering, Inc.

CIVIL, STRUCTURAL, AND WATER RESOURCES

1427 North Bronough St. Tallahassee, FL 32303

PHONE: (850) 894-4521 - FAX: (850) 224-0505

Jacques Registe, PE

Senior Structural Engineer, President

Mr. Registe is a civil engineer for Registe, Sliger Engineering, Inc. with more than 24 years of experience in both the general civil and structural engineering fields including roadway and bridge design, drainage design and permitting. Mr. Registe's engineering experience includes the preparation of design and permit documentation for many projects throughout the State of Florida. His professional experience has been acquired through multiple project responsibilities involving comprehensive analysis, engineering and design tasks for both roadway and bridge projects. His years of experience have been almost exclusively in the State of Florida where Mr. Registe enjoys an exemplary reputation for quality and on-time work.

Mr. Registe is responsible for the design, plans production and preparation of construction documents for all highway and bridge design projects at Registe, Sliger Engineering. He coordinates engineering tasks with his design staff adhering to schedules and budgets established for each project.

Education: M.S. Civil Engineering, 1989
FAMU/FSU, Tallahassee, Florida
B.S., Civil Engineering, 1985
FAMU/FSU, Tallahassee, Florida

Registrations: Florida PE #43397
Georgia PE #27712

Detailed Project Experience

Florida's Turnpike Widening (Boca Raton Interchange to Atlantic Blvd), Florida – Project Highway and Bridge Engineer for this project which involved the design of 5.3 miles of Turnpike widening from 4 to 6 lanes including redesign of the Boca Raton Interchange, a 35 year old interchange, to current design standards. A new bridge was designed at the interchange to span the widened Turnpike. The project also called for a new bridge design at Clint Moore Road, which required a special designed temporary bridge and widening of two additional structures to carry the extended Turnpike roadway.

Bridge Replacement Projects, Group 09-3, FDOT, Florida – Project Manager for both the new bridge replacement tasks required for the projects in Group 09-3. Work includes the preparation of Typical Section Packages, Drainage and Bridge Hydraulics Reports, roadway and bridge design and plans preparation, utility relocation plans and the development MOT.

CR 269 over the CSX Railroad, Chattahoochee, FDOT, Florida – Project Engineer for both the 3,000 feet of new roadway on a new alignment and a bridge over the CSX Railroad in Chattahoochee, Florida. Responsible for roadway geometry design and plans preparation, design of an enclosed drainage system, retention pond designs, utility relocation plans and maintenance of traffic plans preparation. Additional tasks include assisting the FDOT with permit application requirements and review of the bridge plans over the CSX Railroad.

SR 60 Bridge Replacements, Osceola County, Florida – Served as Project Engineer for the roadway and bridge engineering tasks on the project. Work included roadway reconstruction of 500m to both ends of the two new bridges being designed under this contract. Mr. Registe was responsible for all design and plans preparation for the project.

SR 4 Bridge Replacement over Escambia River, FDOT, Florida – Provided preliminary and final design calculations and was responsible for the development of construction plans for this bridge replacement project. Produced and/or checked the designs and details of all the structural elements and prepared the computer program input and analyzed the output for geometry, grades, foundations and girder programs. Also generated the final detailed contract plans and material estimates.

Professional Affiliations

American Society of Civil Engineers
American Society of Highway Engineers

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

8

21. TITLE AND LOCATION (City and State)

Florida River Island Bridge
Liberty County, Florida

22. YEARS COMPLETED

PROFESSIONAL SERVICES
2007

CONSTRUCTION (if applicable)
2008

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

N.W. FL. Water Management District

b. POINT OF CONTACT NAME

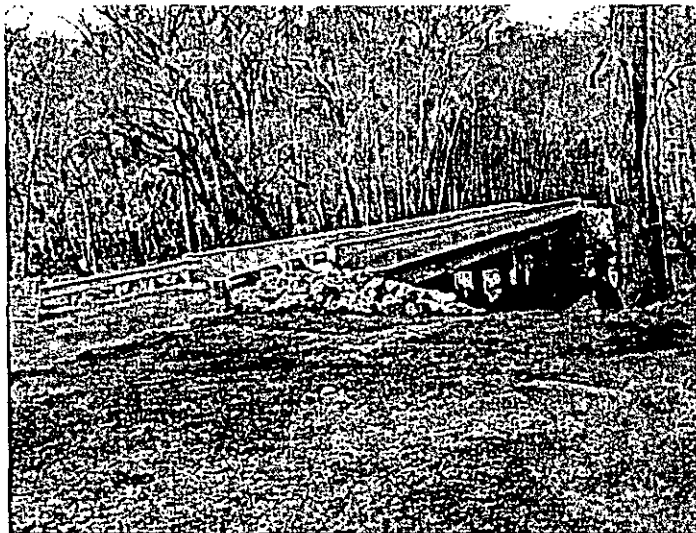
Bill Cleckley, NWFWMD, Havana, FL

c. POINT OF CONTACT TELEPHONE NUMBER

850-539-5999

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Project involved designing a 165 ft bridge over the Florida River Island. RSE also provided CE&I for the project. Jacques was the engineer of record for the structure.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Registe, Sliger Engr.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
10

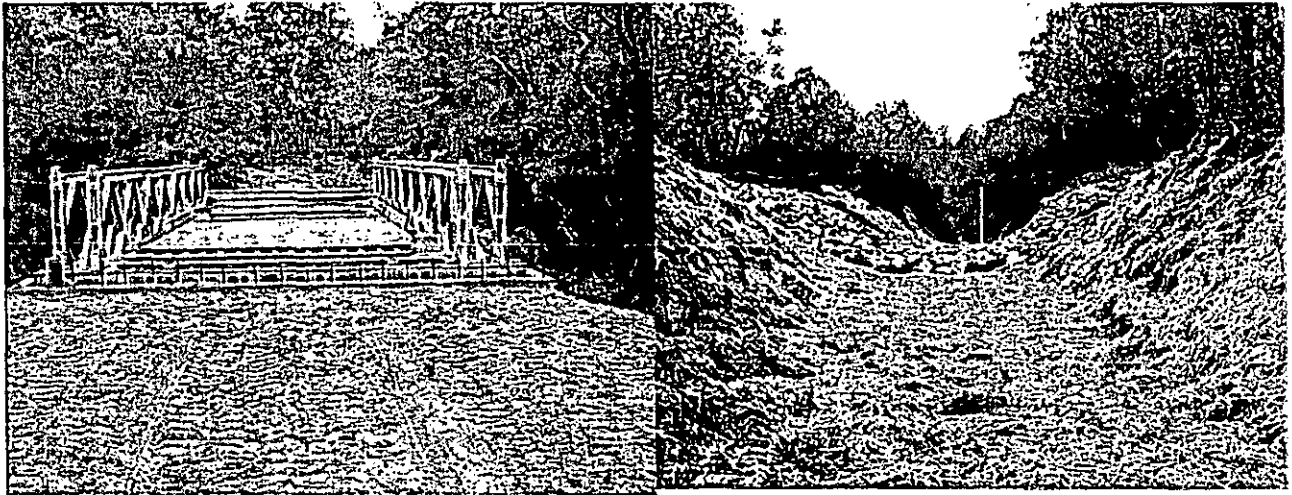
21. TITLE AND LOCATION <i>(City and State)</i> Sand Hill Lakes Mitigation Bank Bridge and Culvert Design	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(If applicable)</i> 2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Northwest Florida Water Management District (NFWFMD)	b. POINT OF CONTACT NAME Bill Cleckley	c. POINT OF CONTACT TELEPHONE NUMBER 850-539-5999
--	---	--

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Project involved designing 3 low water crossing bridges and 2 box culverts. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

3

21. TITLE AND LOCATION *(City and State)*

Meginnis Culvert and Headwall Design

22. YEARS COMPLETED

PROFESSIONAL SERVICES

2007

CONSTRUCTION *(if applicable)*

2007

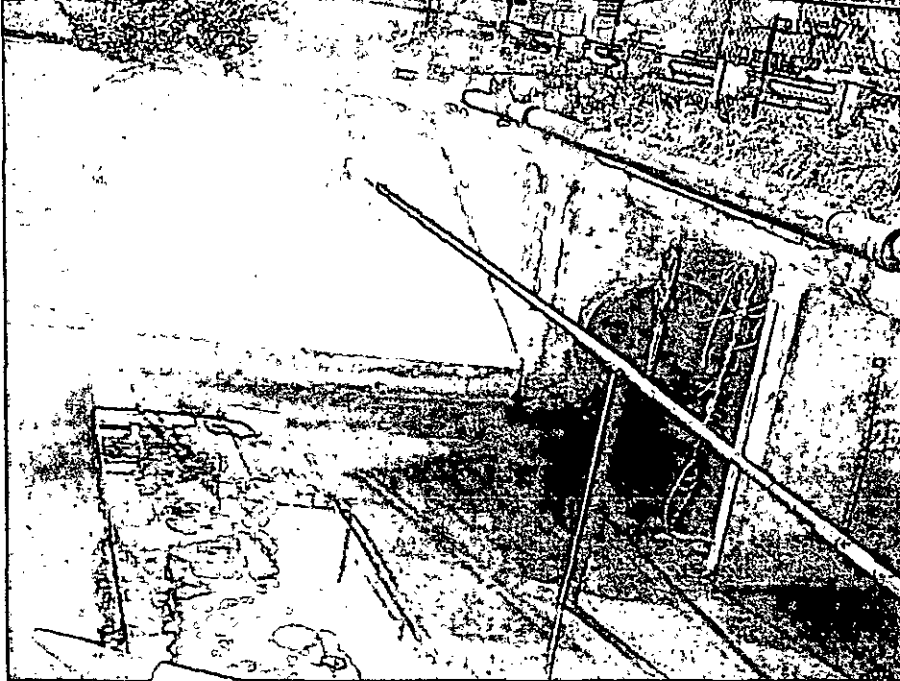
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER
City of Tallahassee

b. POINT OF CONTACT NAME
Bob Mosher, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER
850-891-6860

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

7

21. TITLE AND LOCATION <i>(City and State)</i> Ravine Gardens State Park, Palatka, Florida	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(if applicable)</i> 2005

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER FL. DEP Parks and Recreation Services	b. POINT OF CONTACT NAME Chick Saverig	c. POINT OF CONTACT TELEPHONE NUMBER 850-488-5372
---	---	--

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and cost)*

Project involved designing a 100 ft pedestrian suspension bridge. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			
f.			



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Traffic and Intersection Engineering
Experience with Projects
of a Similar Type and Size**

SECTION B

B.1 LIST OF PROJECTS IN WORK CATEGORY ILLUSTRATING EXPERIENCE AND CURRENT STAFF ASSIGNMENT.

Traffic and Intersection Engineering Projects

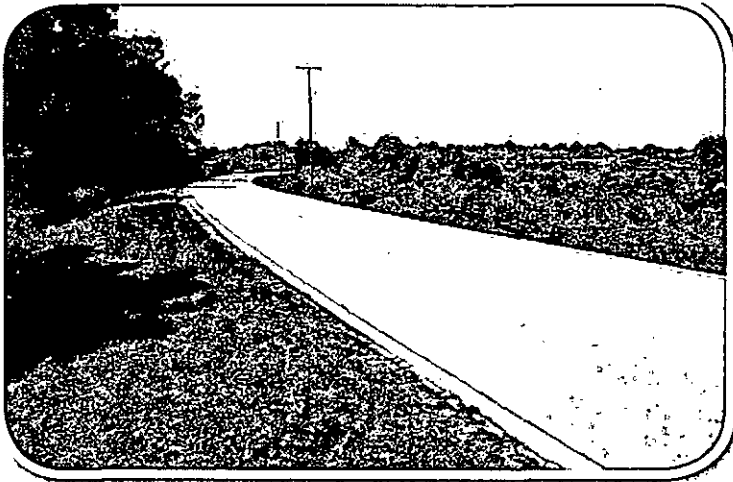
Provided below is a representative listing of projects outlining CSI's experience in the Traffic and Intersection Engineering work category. In addition, project summaries are provided in the following pages addressing the specific information requested in this section.

Client	Project Name	Staff Assignment / Project Manager
Highlands County Board of County Commissioners	CR 623 PD&E Study	Ron Cauthan, PE
City of Bartow	Old Bartow-Eagle Lake Road	Ron Cauthan, PE
Polk County Board of County Commissioners	Road Widening & Relocation/Harden & Pipkin Roads	Ron Cauthan, PE
Highlands County Board of County Commissioners	Sebring Parkway	Ron Cauthan, PE
City of Lakeland	Main Street Re-Alignment	Ken Thiele, PE
Holmes County Board of County Commissioners	Rum Road Improvements	Ron Cauthan, PE / Robin Losh

CR 623 PD&E STUDY

Sebring, FL

Professional Services:	Planning & Preliminary Design Services
Project Scope:	Preliminary Design and Environmental Study
Project Owner:	Highlands County Board of County Commissioners P.O. Box 1926, Sebring, FL 33871
Project Manager:	Ron Cauthan, PE
Point of Contact:	Ramon Gavarrete, PE 863.402.6875
Year Completed:	Construction: 2006 Professional Services: 2006
Professional Fee:	\$160,000
Construction Cost:	\$2.3 million
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



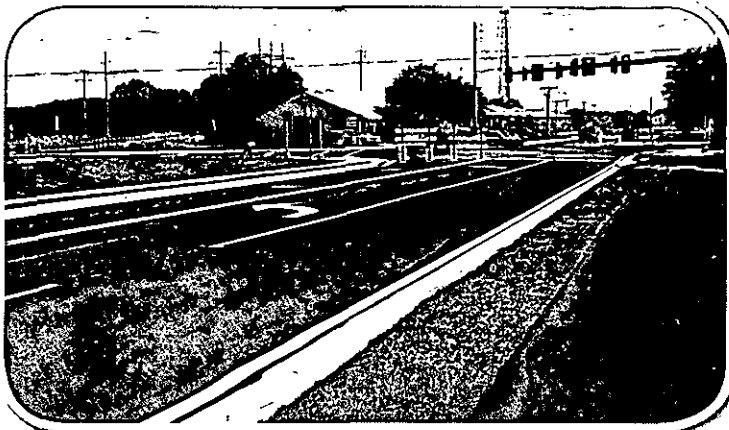
BRIEF DESCRIPTION

In 2004, Chastain-Skillman was retained by the Highlands County Board of County Commissioners to perform a Preliminary Design and Environmental (PD&E) Report for widening C.R. 623 from two lanes to a divided four lane highway between the City of Sebring and the Sebring Regional Airport. The PD&E Study was completed near the end of 2005. As a part of this project, Preliminary Design plans for the roadway were completed in 2006. Since the project includes wetland impacts, wetland mitigation will be necessary in the final design. Final design and permitting for this project has been delayed due to financial constraints. This project has been complicated by the fact that it lies in two Water Management Districts.

OLD BARTOW-EAGLE LAKE ROAD

Bartow, FL

Professional Services:	Civil site design, permitting, stormwater design, and land surveying
Project Scope:	This project included drainage improvements on Park Street, construction of a 3-Lane section on Old Bartow/Eagle Lake Road and intersection improvements at Wilson Avenue, including signalization
Project Owner:	City of Bartow 450 North Wilson Avenue, Bartow, FL 33830
Project Manager:	Ron Cauthan, PE
Point of Contact:	Mr. Bill Pickard, Public Works Director 863.534.0100
Year Completed:	Construction: 2008w Professional Services: 2007
Professional Fee:	\$160,000
Construction Cost:	\$1,900,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Civil



BRIEF DESCRIPTION

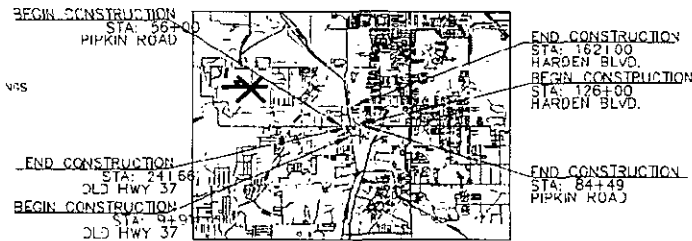
Chastain-Skillman, Inc. (CSI) provided engineering design, permitting, drainage, land surveying and sitework design for a new connector road between Old Bartow Eagle Lake Road and Bartow Memorial Hospital. This road of approximately mile provides easy access to the hospital from the east side of town, without the need for emergency vehicles to travel onto HWY 98 to deliver patients to the hospital.

Included in the design was complete new signalization of the intersection with Old Bartow Eagle Lake Road, which also required consideration for the intersection of both roads by the Fort Fraser Rails to Trails recreational path.

ROAD WIDENING & RELOCATION

Harden & Pipkin Roads | Lakeland, FL

Professional Services:	Engineering, survey, roadway design alternatives, stormwater management facilities, wetland mitigation, floodplain evaluation, permit requirements, and cost estimates for construction
Project Scope:	Widening of 2.19 miles of roadway and a major intersection improvement
Project Owner:	Polk County Board of County Commissioners 330 West Church Street, Bartow, FL 33830-3760
Project Manager:	Ron Cauthan, PE
Point of Contact:	Patti Brock 863.534.6443
Year Completed:	Construction: 2010 Professional Services: 2008
Professional Fee:	\$1,050,000 (All Phases)
Construction Cost:	\$7,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



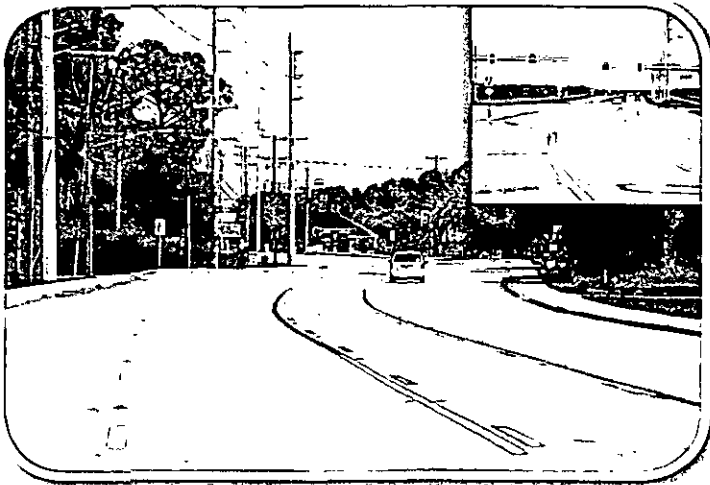
BRIEF DESCRIPTION

The project limits cover a total of 2.19 miles of road widening and a major intersection improvement in a highly developed area. Chastain-Skillman, Inc. (CSI) was retained to provide engineering, survey, roadway design alternatives, stormwater management facilities, wetland mitigation, floodplain evaluation, permit requirements, and cost estimates for construction, etc. As of January, 2008 the project design was 100% complete with ROW acquisition under way. ERP permit is also under SWFMWD review. The stormwater management facilities consist of major and minor stormwater conveyance systems, one existing detention pond retrofit, and three additional detention/retention ponds.

SEBRING PARKWAY

Sebring, FL

Professional Services:	Civil Engineering including stormwater modeling and preparing permit applications.
Project Scope:	CSI worked with Highlands County as the County prepared the plan and profiles for the roadway construction. CSI prepared the signal plans for six interections, designed the drainage retention system and performed all drainage calculations and prepared the SWFWMD Environmental Resource Permit Applications.
Project Owner:	Highlands County Board of County Commissioners P.O. Box 1926, Sebring, FL 33871
Project Manager:	Ron Cauthan, PE
Point of Contact:	Ramon Gavarrete, County Engineer 863.386.6517
Year Completed:	Construction: 2002-2009 Professional Services: 2001 & 2008
Professional Fee:	\$375,000
Construction Cost:	\$10,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Civil



BRIEF DESCRIPTION

Phase I: In the fall of 2001, Chastain-Skillman, Inc. (CSI) completed the design for the widening of approximately one mile of Fairmount Drive from a two-lane local road to a five-lane major collector road with sidewalks. This roadway segment was renamed and became the final connecting segment of the Sebring Parkway, Phase One, to U.S. 27. This project included roadway design, maintenance of traffic design, stormwater design, wetlands permitting and stormwater permitting. The project went to construction in the spring of 2002 and was completed by the end of 2002. The construction cost was \$500,000.

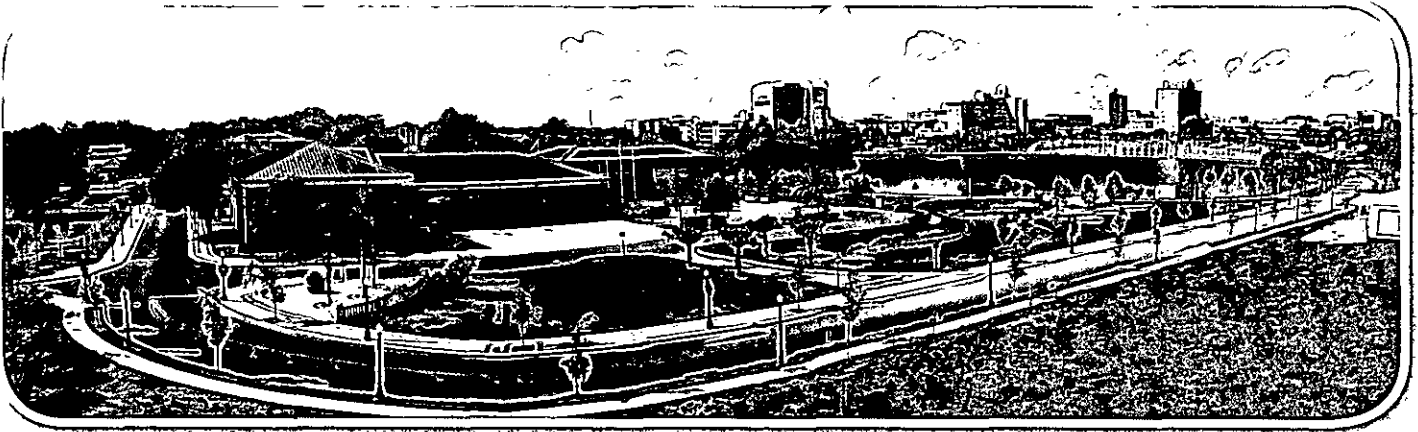
Phase II: Additionally, in 2008 CSI prepared the design of the highway lighting, signalization design for six intersections, and the design and permitting for six stormwater retention ponds along the two mile route for this project. We also prepared Utility Relocation Plans for the City of Sebring's water mains within the right-of-way. In the process, CSI performed survey services, provided aerial photography, performed various Phase One Environmental Site Assessments and obtained certain geotechnical information. The final cost for this phase of the project is expected to be approximately ten million dollars.

Approximately one-half of Phase II has been completed. As of 2010, budget constraints and right-of-way acquisition have delayed the remainder of the project.

MAIN STREET RE-ALIGNMENT

Lake Mirror | Lakeland, FL

Professional Services:	Civil design, utility design, land surveying, permitting
Project Scope:	Civil site design, stormwater management, utility relocation, permitting, and land surveying to relocate 1.4 miles of a highly traveled city roadway
Project Owner:	City of Lakeland 228 South Massachusetts Avenue, Lakeland, FL 33801
Project Manager:	Ken Thiele, PE
Point of Contact:	Richard Lilyquist 863.834.6035
Year Completed:	Construction: 2007 Professional Services: 2007
Professional Fee:	\$516,000
Construction Cost:	\$4.58 million
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Civil Design



BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) provided engineering design services for the re-alignment of Main Street on the north side of Lake Mirror. This re-alignment moved the street to the north, creating room for the completion of a new park section and the final leg of the promenade, which now completely encircles Lake Mirror. The City's Public Works and Parks & Recreation Departments had oversight responsibilities. Additional related projects which will be completed in a domino effect, are the In-Town Bypass Park & Ride Lot, and the Massachusetts Avenue Streetscape. These projects were combined by the City into one construction contract in order to achieve greater cost efficiency.

A new stormwater system was also constructed to improve the water quality of Lake Mirror, as stormwater runoff was discharging directly into the lake. The re-alignment project included closing Main Street between Massachusetts Avenue and Iowa Avenue and between Mirror Street and Lake Avenue. Parallel parking spaces were added along the north side of Lake Mirror. Streetscaping, historic lighting, and the construction of Main Street from Massachusetts Avenue to Lake Parker Avenue are all part of the total project package. The final promenade construction along Main Street connects several existing parks encircling the lake, making it the crown jewel of the City's already amazing park system.

RUM ROAD IMPROVEMENTS

Holmes County, FL

Professional Services:	Road & Drainage Improvements
Project Scope:	Road, Culvert, Conveyance, and Drainage improvements for 3.3 miles of unimproved road
Project Owner:	Holmes County Board of County Commissioners 201 N. Oklahoma Street, Tallahassee, FL, 32425
Project Manager:	Ron Cauthan, PE; Robin Losh
Point of Contact:	Commissioner Monty Merchant 850.547.1119
Year Completed:	2008
Professional Fee:	\$110,000
Construction Cost:	\$980,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

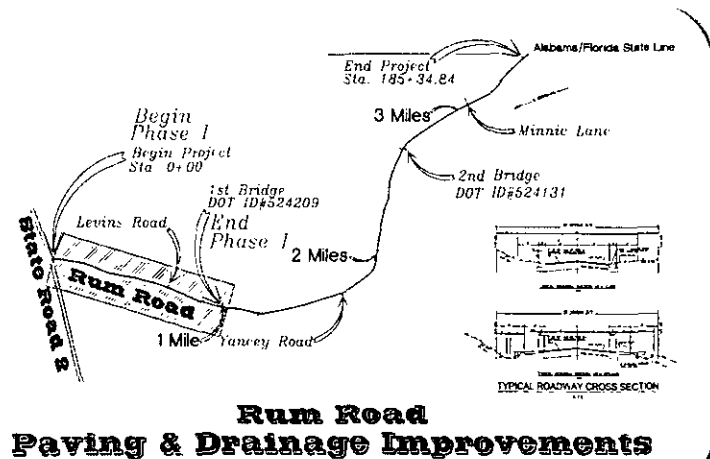
BRIEF DESCRIPTION

In rural north Holmes County, an existing stabilized unpaved roadway with varying widths, no appreciable shoulders, and bare earth side ditches with steep side slopes was frequently traveled. The Holmes County Board of Commissioners wished to improve the roadway and associated stormwater conveyances to the extent made possible through the funds made available by the State of Florida, Department of Community Affairs Grant. (CDBG) The two Phases of the project have included coordination of survey and geotechnical evaluations of the roadway segments, preparation of road construction plans, preparation of all bid documents, environmental permitting with the Army Corps of Engineers

and Florida Department of Environmental Protection, and performing construction observations during road construction.

All of these tasks were performed and coordinated by Chastain-Skillman, Inc. under the guidelines and constraints typical of a Florida CDBG grant. To improve stormwater drainage, the Rum Road Improvements Project was implemented by constructing swales near an existing unnamed creek with higher longitudinal slopes that was paved with concrete. Discharge points at that creek were armored with large stone rubble that remained in place, undisturbed. In areas of very high longitudinal slope and deep cuts in the existing roadway, the road was curbed and discharged through curb inlets and a storm piping network in lieu of the side swale conveyances.

Existing corrugated metal pipe cross drains were replaced with reinforced concrete pipe with appropriate mitered end treatments or ditch bottom inlets. Where required, channels at pipe discharges were armored with broken concrete rubble and geotextile underlayment. The end result have reduced erosion and sediment in runoff discharge waters leaving the site and reduced drainage problem issues that citizens along the road were previously forced to deal with after heavy rain events.



**Rum Road
Paving & Drainage Improvements**

B.2 NAMES AND DESCRIPTIONS OF APPLICABLE PROJECTS PRESENTLY UNDER CONTRACT DEMONSTRATING CAPABILITIES AND QUALIFICATIONS FOR WORK CATEGORY.

Traffic and Intersection Engineering Projects

Provided below is a representative listing of CSI's current work in the Traffic and Intersection Engineering work category.

Client	Project Name	Description of Services
Anderson Lane, Inc.	USF Water Sewer Extensions	Designed and permitted water and sewer extensions to the City of Lakeland utility systems for a new university campus. Coordinated specifications and geometry with the City, capacity with the owner / architect team, and location with the proposed road backbone.
Florida Department of Environmental Protection	Atlantic Ridge State Park	Design and construction of a new park entrance (approximately 4300 feet), equestrian parking for 20 truck/trailer combinations, picnic pavilions and restroom facilities.
Highlands County	Hammock and Lakewood Roads	Intersection signalization and construction of left turn lanes on Hammock Road and Lakewood Road with associated drainage improvements.
Polk County Public Works	Harden Pipkin Widening Project	Major modification at two signalized intersections and improvement of approximately two miles of local roadway from two travel lanes to three. This project also includes significant drainage and utility improvements.
Pulte Home Corporation	Del Webb Orlando Amenity	Design of large amenity site including extension of boulevard section roadway, public utilities, and modification to onsite stormwater management systems.
The Drummond Company	South Village	Planning revision and design support on a substantial deviation to the Oakbridge DRI. Planning efforts will include necessary improvements to transportation and stormwater infrastructure.

B.3 PROCESS AND PROCEDURES FOR MEETING CURRENT DESIGN STANDARDS, CODES, AND REGULATORY REQUIREMENTS.

CSI's Program Manager, Alan Hart, PE, has worked on Leon County projects for the past 15 years and extensively for the past 4 years. He has been involved with the design of projects that utilize all aspects of the Design Standards, Codes and Regulatory Requirements. He has completed permits for Leon County with the following agencies:

- Leon County Growth and Environmental Management (LCGEM)
- Florida Department of Environmental Protection (FDEP)
- Northwest Florida Water Management District (NFWFMD)
- Florida Department of Transportation (FDOT)

Mr. Hart has been submitting permits for clients for most of his career. Mr. Hart has permitted several projects under the new Phase II requirements.

In addition to the Program Manager's local experience, three other CSI engineers/project managers have had design responsibility for projects in the Tallahassee area over the past 5 years. As such, knowledge of and compliance with applicable design standards, codes and regulatory requirements was necessary to permit the projects for our clients.

As part of CSI's internal QA/QC process, each project has an initial kickoff meeting to orient the different team members as to the objectives, schedule and budget of the project. A senior engineer who will not be associated with day-to-day project tasks of the project is assigned as the QA/QC officer. Internal design reviews are scheduled by the QA/QC engineer at 30%, 60% and 90% completion points, along with a final review prior to release of plans for bidding. By being independent of the project development, it is believed that a more effective review can be achieved to meet the issues questioned in this section.

CSI performs projects for clients all over the state. As such, we are accustomed to recognizing and applying regulations for each locality. CSI maintains a comprehensive library (digital and hard copy) of all required standards, codes, rules, directives and specifications that will support the aspects of project design encountered under this Continuing Services Contract. Members of the project design team have access to this library and use it frequently. Plan reviewers utilize this information to conduct detailed calculation checks and constructability reviews.

SECTION B.4 IGNORE PER LEON COUNTY - DUPLICATION OF B.3.

SECTION B.5 BASIC AND SPECIAL RESOURCES AVAILABLE TO FIRM FOR PERFORMANCE OF DUTIES IN WORK CATEGORY.

Chastain-Skillman, Inc. (CSI) is one of the largest south-central Florida headquartered engineering firms. Amongst our Tallahassee, Tampa, Sebring, and Lakeland offices, we employ approximately 70 personnel. Every professional, administrative support person, field construction representative, and drafting person works at their own, fully-dedicated computer station. This includes 10 fully functional CAD stations. We own approximately 15 vehicles for use by field survey crews, field construction representatives and other staff. Field construction representatives have their own mobile computer capabilities, and each survey crew works from individually assigned and company-owned vehicles and surveying equipment. All of our computers, printers, copiers, vehicles, etc. are company-owned. CSI's Florida offices encompass over 50,000 square feet of space.

Our proposed project team is made up of individuals with specialized training in the areas of stormwater design and inspection, roadway and intersection developments, utility design, water and wastewater system design, system modeling, watershed and drainage modeling, utilization of geographical information systems and use of total station and global positioning system survey equipment. Much of the computer software can be utilized and integrated with information from the County tax records and GIS information to assist in identifying Rights-of-Way and easement acquisition, as may be necessary.

Specialty design or modeling software that we routinely use that has applicability to this contract might include:

Program	Manufacturer	Project Use
Groundwater Vistas v. 3.12	Environmental Simulations, Inc.	Pre-/Post-processor for MODFLOW
ICPR v.3.10 (6)	Streamline Technologies, Inc.	Stormwater routing model
Ponds 3.2	Devo Engineering, Inc.	Retention pond recovery analysis
Hydraflow (v.6.066)	Autodesk, Inc.	Storm sewer modeling
StormCAD v. 5.6	Bentley Systems, Inc.	Storm sewer modeling
HEC-1	USACOE/Hydraulic Engineering Ctr.	Flood hydrograph program
HEC-2	USACOE/Hydraulic Engineering Ctr.	Water surface profile (1-dim) GVF
WaterGEMS v.3.0 (5000 pipes)	Bentley Software	Hydraulic network simulation program
WaterCAD v.8i (500 pipes)	Bentley Software	Hydraulic network simulation program
KYPipe - Pipe2000	KYPipe	Hydraulic network simulation program
Surge 2000	KYPipe	Hydraulic transient simulation program
Suretrak Project Manager	Primavera, Inc.	Project scheduling software
AutoTrack v.8.52	Savoy Computerizing Svc., Ltd.	Steered vehicle path computations

Both our GIS and our survey systems are fully integrated with our CAD stations and WaterGEMS hydraulic network simulation software. In addition, we also support links between AutoCAD™ and

KYPIPE and WaterCAD. All of our drafting personnel have been trained specifically in **Autodesk Civil 3D** as well as the legacy **Land Development Desktop** software. We also maintain expertise in **Microstation V**, simplifying interchange with clients utilizing this package.

We have been utilizing the **ArcGIS** system for approximately 15 years. Our GIS staff has been trained by **ESRI-certified training centers** and has worked with several municipal clients to meet their GIS needs. We have found GIS to be invaluable in utilizing information, e.g., soils mapping, from regulatory agencies such as the Water Management Districts. We have also utilized the system extensively on mapping projects and habitat assessment projects. This work has been performed for multiple County agencies, providing database management and calculations for the County's Comprehensive Plan.

It might be of interest to know that CSI has also developed a proprietary software system that has been used by a number of our larger clients to manage asbestos remediation, maintenance and future work programs. This software is an integration of a database and AutoCAD systems to provide historical documentation of facilities plans, survey histories, test results, and areas of potential concern. This allows facilities managers the ability to quickly scan for potential issues when construction or maintenance in an area is to be conducted. To comply with various regulatory mandates, the program also helps to schedule re-inspections and maintenance as well as provide compliance documentation. While it has primarily been used for asbestos tracking, it is flexible enough to be used with most any regulated material that must be likewise tracked.

Within our offices, CSI's network is virtualized using **VMWare** and based on **Microsoft Windows** and **Novell server technologies**. Main Servers are clustered for redundancy (automatic failover) and connected to a **SAN (Storage Area Network)** with a storage capacity of over **4Tb (Terabyte)**. The system is backed up nightly to high speed SDLT tape and external SAN drives. All servers have redundant power supplies and dual UPS (Uninterruptible Power Supplies). All locations have departmental servers and **all locations are inter-connected using full T1 connections or better**, fully secured by use of hardware **Firewalls**. The complete system is monitored on a 24/7 basis with critical errors mailed and/or paged to the IT Manager. Virus protection is implemented at both server and workstation levels and updated on a daily basis. Workstations are upgraded or replaced on a regular basis to ensure that users are operating with current technology; this replacement has typically been in the 25 - 35 percentile per annum.

Additional resources of CSI's network include **VOIP (Voice over IP)** telephone connectivity between offices, additional high-speed laser printer/scanners at all locations, and additional wide format printing capabilities.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Traffic and Intersection Engineering
Willingness to Meet Schedule
and Budget Requirements**

SECTION C

C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS.

Schedule Control

Through experience, CSI has determined that there are eight key elements critical to effective schedule control. These are part of CSI's approach to project delivery.

Establishing a Realistic Schedule. While the goal is to complete the project in a timely manner, established schedules must be realistic. All too often firms commit to unrealistic schedules in order to obtain an assignment. That behavior only leads to dissatisfaction on the part of the client, frustration on the part of the project team members, delays while problems are addressed, and unexpected costs. For this reason, CSI will be clear about presenting schedules that are realistically achievable.

Establishing Interim Milestones. With every task assignment, whether performed in-house or by subcontractors, CSI will establish interim milestones that will be used as checkpoints to verify that progress is being made in accordance with the planned time line, and to serve as a basis for verifying that progress is in line with spending. This proactive approach to active management of tasks will facilitate early detection of variances and support the implementation of timely corrective action, if needed.

Regular and Frequent Communication. CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of scheduled milestones to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing delays. Such issues may otherwise go unnoticed until a problem actually develops.

Skill Matching. One of the most fundamental factors in meeting schedule commitments is carefully matching work assignments with the skill level of staff. Staff that lack appropriate experience will generally take longer than expected to complete assignments and may be reluctant to ask for help. It is the responsibility of the CSI Project Manager to properly allocate resources to facilitate the timely achievement of schedule requirements and monitor progress.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay. When an issue is identified, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of schedule compliance through regular progress reporting. If a significant variance is detected, the CSI Project Manager will, upon discovery, promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

With CSI's more than 70 employees located in Florida and backed by our Team members, the CSI Team has ample resources to meet the needs of the County for this project.

Budget Control

CSI uses the following a series of techniques to manage the assigned budget:

Detailed Experience-Based Budgeting. Cost control will be enhanced by detailed budget preparation using a standard template. Experience is used to establish realistic budget amounts for labor and expenses by individual task, providing a detailed schedule for fund allocation when performing the work and serving as the basis for monitoring and evaluating financial performance. By detailing costs by individual task, a mechanism is provided for tracking costs in small increments. In this manner, if spending on a particular task does vary from budget, the overall impact on the project is small and can be more easily corrected.

Regular and Frequent Communication. As described under the section addressing Schedule Control, CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of budgets to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing variances from the planned budget. Such issues may otherwise go unnoticed until a problem actually developed.

Frequent Budget Analysis. Labor and expenses incurred against each project are input into CSI's automated corporate accounting system on a weekly basis. Progress reporting on both budget and schedule can be assessed using PlanTrax, our project management software. This software, in conjunction with our corporate accounting system and staff work assessments, allows the Project Manager to determine the percentage of completion and earned value for the project as often as necessary to closely monitor the budget status and schedule status.

Skill Matching. Assigning appropriate staff to each task is important to budget control, as well as schedule control. Technical capabilities, efficiency, and billing rates all need to be taken into consideration to enable individual tasks to be completed in a technically and economically sound manner that meets schedule requirements.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay, although this may not be possible in all cases. Whether an issue is identified at the potential stage or when there is an actual impact, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential or actual impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of budget compliance on assignments that are being performed on a time and materials basis, and promptly notify the County of any variations from the applicable scope or assumptions that would impact the cost on any assignment. If a significant variance is detected, the CSI Lead Program Manager will upon discovery promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

Corrective Action Procedures

CSI makes considerable effort to manage contracts, projects, and tasks proactively and aggressively to preclude the need for corrective action. The most important aspect of this preventive approach is to emphasize good communication, as breakdowns in the communication process are likely the most common root cause of problems encountered in our industry. Despite these efforts to avoid problems, having a sound plan for corrective actions is necessary. CSI's approach to corrective action is as follows:

Early Detection. Corrective action is most effective when variances from the plan are detected early and corrective actions can be small in magnitude. CSI implements a number of measures to promote early variance detection that include the establishment of interim milestones to be used as checkpoints, preparation of detailed budgets for use in comparing actual to planned spending, weekly financial analyses of projects, and providing forums for promoting effective two-way communication within the project team.

Prompt Action. When a significant variance to the plan is discovered, prompt corrective action is warranted. Otherwise, adverse impacts affecting technical aspects of the project as well as schedule or budget are possible. CSI utilizes experienced personnel who are capable of detecting potential problems, and who possess the knowledge and capability to propose compensating corrective actions. Rapid response is vital to keeping projects on track.

Follow-up and Adjustment. Despite best intentions, corrective actions do not always produce the desired result. This can be due to the presence of more than one root cause for a given situation, or other environmental factors. For this reason, with every corrective action, CSI establishes milestones for checking progress to confirm that the action had the desired effect. This provides the opportunity for timely adjustment to the corrective approach, if needed.

Consultation. Small, routine corrective actions will be made as needed and communicated to Leon County in routine status updates and progress reports. In the event that a significant variance is detected and corrective actions must be equally significant, CSI's Project Manager will seek input from in-house and subcontractor personnel who have relevant expertise, and will consult with the County for concurrence with the approach prior to its implementation. Such interaction will be implemented rapidly to minimize the effects of such variances.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Traffic and Intersection Engineering
Effect of Firm's Recent, Current,
and Project Workload**

SECTION D

D.1 NAMES AND DESCRIPTIONS OF PROJECTS CURRENTLY UNDER CONTRACT AND ANTICIPATED COMPLETION DATES.

This section is prepared in order to examine CSI's current and projected workload as it relates to CSI's ability to perform Leon County's work in a timely and effective manner. The table that follows lists the projects which currently have or are projected to have meaningful activity associated with them.

Each project is listed along with the estimated number of man-hours remaining, target completion date and the estimated average man-hours per month required. Although these are average figures and reflect work for departments affected by Leon County work, it should give the reviewers insight into the availability of CSI staff to complete any tasks assigned to us.

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Civil Department - Roadway, Stormwater, Traffic			
City of Lakeland - Southeast Water Booster Upgrade	1460	09/2012	80
Confidential Client - Distribution Center Expansion	310	09/2012	17
Pulte Home Corporation - Del Webb Orlando Amenity Center	230	01/2012	23
The Drummond Company - South Village	310	01/2012	31
USF Polytechnic - Stormwater, Water Main/Sewer Force Main Extensions	480	10/2011	70
Lake Wales Housing Authority - Sunrise Redevelopment	120	06/2011	40
Polk County Public Works - Harden Pipkin Widening Project	75	12/2011	8
FDEP - Atlantic Ridge State Park	75	12/2011	8
Highlands County BOCC - Hammock and Lakewood Roads	115	12/2011	12
Miscellaneous Projects	320	12/2011	40
Subtotal	3375		330

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Environmental Risk/Environmental & Occupational Health & Safety Departments - Environmental Support Services			
Major Super Market Chain (Confidential Client) - Drycleaning Site Rehabilitation	TBD	Ongoing	40
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	60	09/2011	10
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	40	06/2011	20
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	TBD	Ongoing	10
Major Super Market Chain (Confidential Client) - Phase I/II ESA	60	05/2011	30
School District of Hillsborough County			
Aboveground Storage Tank (AST) Release	384	04/2013	16
Greenfleet Remediation	80	06/2011	40
MOC Remediation	180	12/2011	20
Fuel Storage Tank Compliance Monitoring	240	12/2011	24
Continuing Environmental Services	Ongoing	10/2013	300
Pinellas County - Brownfields	160	04/2011	160
Southern Wine and Spirits - Petroleum Site Rehabilitation	144	04/2013	6
The Sembler Company - Solvent Site Rehabilitation	72	04/2012	6
Integrated Metal Products - Petroleum Site Rehabilitation	60	06/2011	30
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Live Oak	120	09/2011	20
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Mulberry	192	04/2013	8
Telogia Power Biomass - Consulting Services	108	12/2011	12
City of Tallahassee			
Technical Specs and Third-Party Observations	50	4/2011	50
Stormwater Sediment Sampling and Beneficial Use	20	3/2011	N/A
Solomon C&D Landfill - Consulting Services	99	12/2011	11
Department of Management Services - Continuing Services	2800	12/2013	80

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Capital City Bank - Phase I/II Continuing Services	250	Ongoing	25
FAMU - Continuing Services	300	Ongoing	30
Subtotal	5419		948
Environmental Department - Utility Engineering			
City of Auburndale Continuing Services	158	10/2011	20
City of Bartow Continuing Services	138	10/2011	17
City of Bartow Headworks Construction	944	10/2011	135
City of Bartow Airbase Sewer Construction	728	10/2011	104
City of Bartow NE Force Main Construction	1324	09/2011	221
Town of Dundee Utility Relocates	50	05/2011	25
City of Frostproof WWTP	1333	03/2012	111
City of Frostproof Continuing Services	141	10/2011	18
City of Lakeland Generators	800	11/2011	100
City of Lake Alfred Facility Plan	374	12/2011	62
Polk County Mann Road Well	400	03/2012	33
Polk County Environmental Monitoring	400	04/2012	29
Tohopekaliga Water Authority	808	12/2012	50
City of Wauchula Well	540	06/2011	135
City of Tarpon Springs Vacuum Sewers	280	07/2012	28
City of Winter Haven WWTP #3	50	06/2011	17
City of Largo GW Study	15	04/2011	15
City of Tallahassee Capital Circle	231	07/2011	77
Subtotal	8714		1197
Total	17511		2502

D.2 FIRM'S ABILITY TO ABSORB PROJECTS RESULTING FROM CONTRACT.

CSI understands that having readily available personnel who have appropriate capabilities and experience to promptly address assigned tasks is essential to our ability to be responsive to the County's needs. Our primary operating philosophy is that in order for us to be successful, we must help our clients to be successful. Thus, we maintain what is by industry standards a high level of excess capacity enabling us to reliably and effectively respond to our clients' short- and long-term needs.

By viewing the table provided in Section D.1, it is possible to gauge the ability of CSI staff to promptly and efficiently respond to any assignments authorized by the County. Projects have been grouped by technical group to give an additional view of the distribution characteristics. As a reference, Environmental Services projects tend to be smaller short-term projects while the engineering projects tend to have a longer project span. While this methodology is an approximation, it provides an indication that sufficient resources are available to meet the County's needs.

Another way of looking at the numbers would be that our current utilization (based on percentage of time our personnel are committed to other ongoing projects) has been running on the order of 60%. Note that this estimate is based upon a 40-hour work week. CSI staff has been accustomed to working a 50 to 60-hour work week as necessary to meet our clients' project needs. This means that we currently have the time available to immediately devote staff to your project.

CSI's current workload is such that we have more than adequate staff and available man-hours to perform the County's planning projects. The individuals specifically chosen for your project team were selected not only for their experience, location, and knowledge, but also because of their immediate availability to the County.

Should workload from the County or other clients increase to a point that existing staff is stretched, CSI has a recruitment program that would be used to bring additional qualified staff on board. In fact, this is what we hope will happen. It is our complete intent to grow the Tallahassee office so as to provide even better service to Leon County. In the meantime, the CSI management system and work ethic is such that we can't envision a situation where we would cause a delay for Leon County in this regard.

We believe you will find CSI to be the ideal size firm to meet the County's needs. CSI is large enough to have the resources to meet the technical demands of the County's projects, yet small enough that the County will always remain a very important client to us. CSI looks forward to the opportunity to demonstrate how effective a professional relationship can be between the County and its engineering consultant. This has been the basis for our success over the past six decades.

In summary, CSI currently has adequate personnel available, both in quantity and quality, to deliver timely projects for Leon County.



LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Traffic and Intersection Engineering
Effect of Project Team Location

SECTION E

E. EFFECT OF PROJECT TEAM LOCATION.

Dedicated Resources (Tallahassee, Lakeland and Tampa)

It is CSI's intent to provide Leon County with the services described in this RFP from our local Tallahassee Office. Should specific projects require supplemental manpower, specialized technical support or additional administrative assistance, those resources will be provided by the Lakeland and Tampa Offices utilizing the personnel identified in Section A. In any event, project management is scheduled to be conducted from the Tallahassee Office. This will provide timely and knowledgeable response to the County on projects assigned to CSI.

Mr. Alan Hart, PE, will be designated as the Program Manager for the County work. Mr. Hart and Mr. Tom Lewis, PG, our Tallahassee Office Manager, will be responsible for day-to-day operations on all Leon County projects. Both Mr. Hart and Mr. Lewis are located in the CSI Tallahassee Office. CSI anticipates locating the QA/QC review officer assigned to the Leon County contract outside of the Tallahassee office. This would be done to provide an additional level of independence and objectivity during project review. Dr. Jim Chastain, PE, MPH, will be CSI's Principal-In-Charge for this contract and has served in this capacity for many years, as well as providing technical oversight on projects and new technologies.

After reviewing this RFP, we can emphatically state that CSI has the manpower, the equipment, the professional expertise...and the desire...necessary to provide the services envisioned under this RFP. Additionally, CSI intends to utilize MBWE resources whenever possible as indicated in Section A.

The following is a list of CSI Registered Professionals/Staff in the Tallahassee, Lakeland and Tampa Offices designated to provide Civil Engineering Services for Leon County. Please refer to the project team resumes and organization chart presented herein for the various areas of expertise of each professional and their availability.

Tallahassee, Lakeland and Tampa Offices

- Alan Hart, PE
- Tom Lewis, PG
- Paul Osley, PE, BCEE, CIH, CSP
- Jim Chastain, Jr., PhD, PE, MPH
- Steve McConn, PE
- Ron Cauthan, PE
- Ken Thiele, PE
- Steve Dutch, PE
- David Buyens, PE
- Chris Sipe, PE
- Wendy Contner, PE
- Greg Lassi, PG, MPH
- Charles Browning, PG
- Art Wade, PWS
- Robin Losh
- Danny Stump, CHMM
- 6 Land Survey Crews
- 7 CAD Operators/Designers
- Administrative Staff

We take pride in our ability to deliver our services, as promised, to our clients. As such, CSI does not pursue projects or contracts, no matter how desirable, if we know our resources will not support the client in the manner requested. We have carefully reviewed the Leon County RFP, and are confident that we can deliver the same level of high quality and effective professional consulting services to Leon County as we have for the other Clients referenced in this RFP over the past 60+ years of service.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Traffic and Intersection Engineering
Approach to the Project**

SECTION F

F. APPROACH TO THE PROJECT.

Through experience with similar clients, CSI's basic approach will be to act as an extension of the Leon County Design Staff. CSI will work closely with Leon County to clearly define the services required for a quality product (scope), the timeframe that best meets the needs of the County while providing ample time to complete the project successfully (schedule) and allocation of staff at appropriate levels to complete the project in a fiscally responsible way (budget). This holistic project approach will ensure a high quality, constructible project.

Project Design Team

CSI has provided many of these services under contracts with similar clients throughout Florida. These types of contracts include environmental, stormwater management design services, permitting administration and roadway engineering design services. CSI has put together a strong in-house staff (see organization chart) along with sub consultants that will be able to meet the needs of the County for all aspects of design projects. *CSI's Program Manager, Mr. Alan Hart, P.E.*, has been involved with Leon County projects for the past 15 years and has worked extensively with Leon County over the past 4 years. Mr. Hart has an understanding of the County's priorities because he has worked with various Leon County Project Managers on roadway, intersection and drainage projects over that time. He understands the procurement and proposal process and the need for strong communication on projects with the County. He has been involved in the design and permitting process, has strong knowledge of the County's design standards and plans production process and has permitted several projects with the Northwest Florida Water Management District under the new Phase II requirements. Mr. Hart will serve extensively as the liaison to the County and will lead all aspects of projects. Mr. Hart will also serve as the Engineer of Record for all projects. Personally, Mr. Hart has lived in Tallahassee since 1995 and understands the needs of the community. He is firmly committed to serving the community that he loves and considers home.

Moore Bass Consulting, a local WBE firm, and more specifically, *Ms. Mary Morgan*, will be utilized to complete all transportation concurrency analyses, traffic analysis and modeling and signalization warrant studies, multi-way stop warrant studies and transportation studies.

Management oversight for this contract will be provided by *Dr. Jim Chastain, Jr., P.E., Principal-in-Charge*. Dr. Chastain is the officer of the firm who will be responsible for ensuring the availability of appropriate CSI resources for this project. Dr. Chastain has contractual authority for the firm. He will assist Mr. Hart, as needed, with client communication and technical aspects of project delivery.

Quality Assurance/Quality Control for this contract will be provided by *Mr. Ron Cauthan, P.E.*

CSI Organizational Structure

CSI has chosen to use a functional organizational structure for the proposed project team. This structure has been chosen because it has been proven in both theory and practice (based upon our 60 years of experience in providing Civil Engineering Consulting Services) to be the most efficient

structural arrangement for a project of this nature. This efficiency is obtained through the structure's simplicity and from organizing personnel by specialty.

Key benefits of CSI's project team organization include the following:

Single Point of Contact. CSI's Lead Project Manager, Alan Hart, P.E., located in our Tallahassee office, will serve as the single point of contact with Leon County. Channeling communications through this single point of contact will contribute to effective communication. This begins with a clear definition of the County's design objectives, scope, budget and schedule requirements. This is then reflected in the task authorization and fosters a more collaborative relationship between the County and CSI. A clear understanding of the project objectives and constraints allows the project manager to more efficiently organize the project tasks and assignments.

Clear Definition of Roles, Responsibilities, and Authority. The functional organization provides very clear definition and communication of roles and responsibilities, and also clearly identifies reporting relationships with lines of authority. This clarity enhances productivity because it allows personnel to remain focused on completing their work assignments.

Monthly Reporting. Consistent reporting of project progress, budgets and issues provides the County with a firm understanding of the project status. This allows County staff to more accurately manage the project from their perspective as well as improving communication within the County organization. CSI uses the PlanTrax method to manage the project internally and will readily share that information with the County if so desired.

Local Sub Consultants CSI will utilize local consultants to complete any tasks that lie outside of the abilities of our firm. This will not only provide the presence of local knowledge, it will also keep generated revenue at home. CSI will enlist the services of Environmental and Geotechnical Services, Inc.,(EGS), a WMBE, for all environmental components, Registe, Sliger Engineering Inc., an MBE, for all structural components, and Moore Bass Consulting for all surveying, landscape architecture and transportation planning needs. These local firms have worked with Leon County on numerous occasions and have strong local knowledge that will strengthen the project team.

Independent QC Oversight. Although the Lead Project Manager is responsible for the overall quality of work, CSI's project team structure provides internal independent QC oversight to confirm that quality is not compromised in the quest to meet other project objectives in a timely and cost-effective manner. This is an important system of checks and balances necessary to responsibly manage risk and consistently deliver high quality service and work products.

The CSI Team includes in-house and subcontractor offices at several office locations. Efficient coordination among these offices is achieved by on-site meetings as well as utilizing our network facilities and internet conferencing. This enables communications to occur in real time. It also allows reports, design drawings, photo and video images to be shared concurrently...providing the capability to review them at different locations as if sitting side by side.

**ROADWAY
DESIGN**

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Roadway Design

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**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Roadway Design
Ability of Professional Personnel**

SECTION A

SECTION A.1 TOTAL NUMBER OF PROFESSIONALS ASSIGNED TO CATEGORY AND AVAILABILITY TO PROVIDE SERVICE ON SHORT NOTICE.

The following information is provided to demonstrate the number of staff members available to provide the professional services requested. A more detailed description of these individuals, showing our proposed **Team Organization Chart, resumes including education, certifications, licenses, professional credentials, and experience**, is presented in the following pages and are specific to the respective work category. Staff members relevant to this contract include:

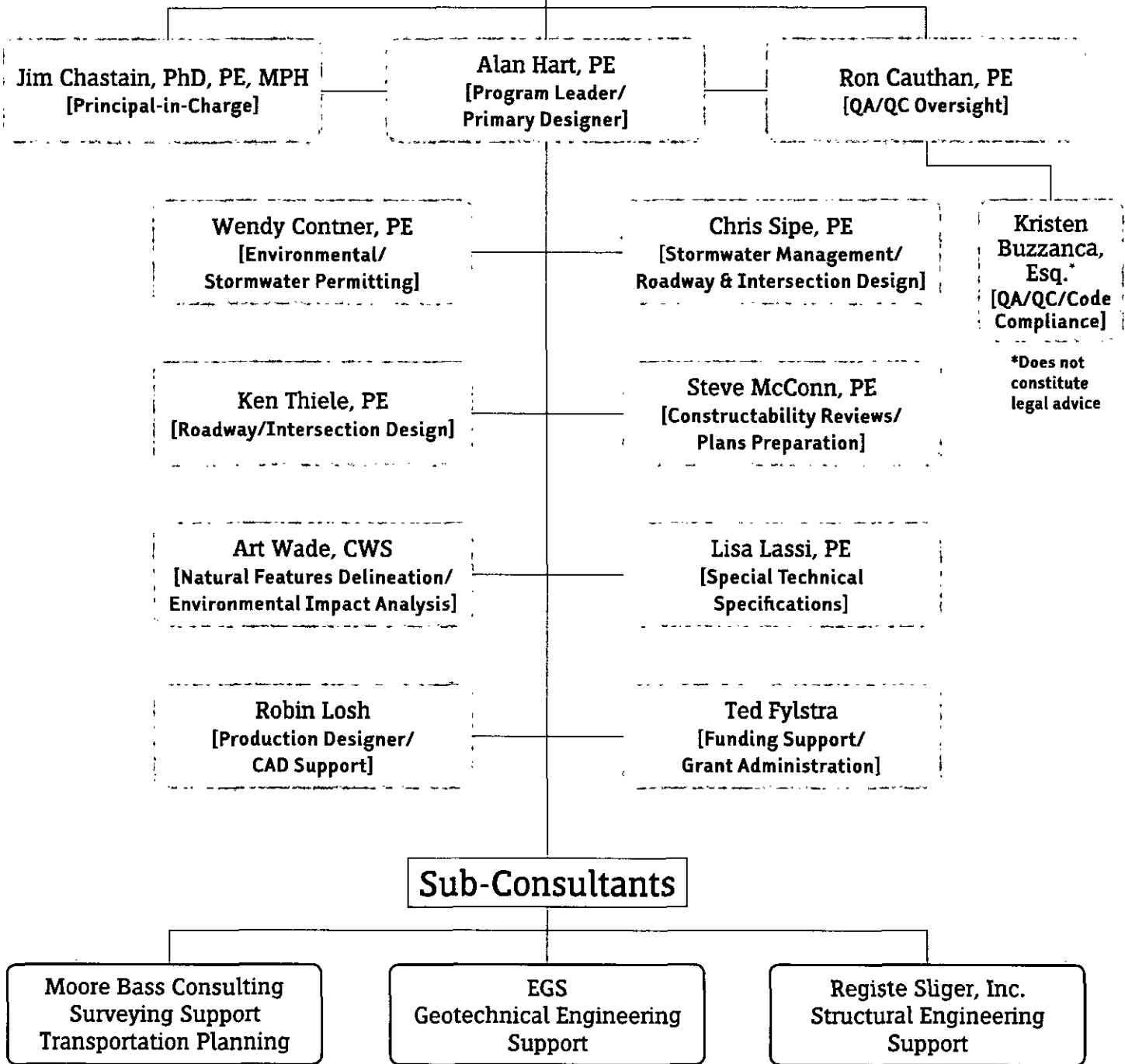
Professional Engineers -	21	Industrial Hygiene Engineer -	1
Professional Geologists -	4	EOHS Specialists -	7
Environmental Scientists -	4	Industrial Hygienists -	3

Of importance to note is that the professional staff mentioned herein who will be working directly on similar County Client projects *combine for over 500 years of service at CSI* performing the specific type of project duties required by Leon County for this contract. Based on current workload, these individuals stand ready to respond to the County's needs to meet both schedule and budget constraints.

ROADWAY DESIGN ORGANIZATIONAL CHART



LEON COUNTY PUBLIC WORKS





James R. Chastain, Jr. PhD, PE, MPH

President

• 40 years with
Chastain Skillman, Inc.

Education:

- University of South Florida
PhD
- University of South Florida
MPH
- University of Florida
ME Environmental Engineering
- University of Florida
BSCE (cum laude)

Other Experience/ Qualifications

- Diplomate/American Academy
of Environmental Engineers
- National Institute of Health/
HSDB Scientific Peer Reviewer

Clients Have Included:

- QA/QC technical reviews
- Data analysis/statistical
analysis
- Water chemistry
- Treatment process design
- Project management

Active Registrations:

- PE/Florida (PE 16277)
- PE/Georgia (PE 12080)

WATER AND WASTEWATER PROCESS DESIGN

Performed master water and wastewater studies including computer simulations for 8 cities/counties and numerous private utilities. Developed proprietary computer program for wastewater process design. Lead designer for bottled water and process water plant design for major grocery distributor, including activated carbon filters, mixed bed deionization, and ozone injection. Design engineer for numerous wastewater treatment facilities up to 4.0 MGD. Design engineer for municipal water treatment plants.

MUNICIPAL AND PUBLIC HEALTH ENGINEERING

Published research on public water system security; provided engineering design for numerous pump station/force main projects for municipal and county clients; developed a wastewater reuse guidance from a public health aspect; interpretation of scientific health studies with application to public water and wastewater systems; Solid waste leachate characterization studies and treatment systems.

CIVIL ENGINEERING

Design oversight and QA/QC tasks for company stormwater and utility designs. Principal in charge of over 50 civil engineering design projects including a 1400 multi-use Development of Regional Impact (DRI) with associated sub-projects.

REGULATORY AGENCY LIAISON

Associated with over 400 system permit applications; assisted clients in resolution of difficult permit situations including representation before state environmental agencies and the EPA/Atlanta as well as Administrative law proceedings

FEASIBILITY STUDIES

Associated with over 100 feasibility studies or facility plans. These plans have included evaluation of alternative engineering designs, net present value/ROI or other economic considerations, institutional feasibility, permit mapping, funding alternatives, and public participation; Principal in charge for over \$50M in grant or subsidized loan funding activities.

RISK ASSESSMENT AND WATER CHEMISTRY

Scientific Peer Reviewer for National Institute of Health/National Library of Medicine Hazardous Substances Databank (HSDB); more than 50 Groundwater contamination assessment and treatment studies; oversee corporate initiatives into evaluation and implementation of new technologies.



Alan Hart, P.E.

Project Manager

- Less than 1 year with Chastain Skillman, Inc.
- 15 years in the Industry

Education:

- Georgia Institute of Technology
BCE Civil Engineering

Areas of Expertise:

- Stormwater Management Facilities
- Stormwater Conveyance Design
- Roadway Design
- Site Development Design
- PD&E Studies
- Watershed Modeling

Clients Have Included:

- Suwannee River Water Management District
- Florida Department of Transportation
- Bay County/Meeks Development
- Summit East Development
- St. Joe Land Company

Active Registrations:

- Registered Professional Engineer (Florida PE #58055)

OVERVIEW

Mr. Hart has over 15 years of experience in the planning, design, permitting, and management of civil engineering projects and related fields, including site and roadway design. He specializes in the design of stormwater management facilities; treatment system design and permitting; roadway design; development, subdivision and street planning and design; and water distribution and wastewater and reuse systems design. Mr. Hart's professional engineering experience includes working with firms that provide services for both the Leon County and the City of Tallahassee. Mr. Hart has worked on major FDOT roadway projects in both the planning and the design phases. He has also worked with numerous private developers on site development design projects.

Prior to joining Chastain Skillman, Mr. Hart was a Senior Project Manager in responsible charge on multiple projects for an engineering consulting firm. He provided services to both Leon County and the City of Tallahassee as the consultant's Project Manager on the projects listed below.

Chastain Skillman proposes Alan Hart, PE, as the Program Manager for this Engineering Services Continuing Services Contract. Mr. Hart has been managing projects successfully for the past ten years. As Program Manager, he will be responsible for the scoping, budgeting and scheduling of each new task assignment. He will be responsible for the design and/or management of each assignment to assure that it complies with the approved objectives, delivery schedule and budget. Most importantly, Mr. Hart will work closely and communicate effectively with the County to assure that the resulting assignment deliverables meet the County's stated objectives.

RAYMOND TUCKER ROAD DRAINAGE PROJECT, PHASE I & II

Project Type: County | **Cost:** \$165,000

Responsible for the existing and proposed conditions model for a 2300 acre drainage basin that flows to Lower Lake Lafayette. Also responsible for the re-design of the cross-drains located beneath Raymond Tucker Road, Golden Pheasant Drive, E. Windwood Way and Weeping Willow Way. During Tropical Storm Faye, these roads were overtopped by stormwater runoff from the storm. The proposed conditions model was developed to determine new size of the cross drains under these roads to alleviate overtopping in a similar future event.



Wallace R. Cauthan, P.E.

Vice President of Civil Engineering

- 31 years with Chastain Skillman, Inc.
- 36 years in the Industry

Education:

- The Citadel
BS Engineering
- FDOT
Bridge Inspection Training
- FDOT
Advanced Maintenance of Traffic Certification

Areas of Expertise:

- Stormwater and Drainage Design
- Roads and Highways
- Municipal Engineering
- Linear Utilities/Water and Wastewater
- Parks and Recreation Projects
- Educational Facilities
- Local, State and Federal Permitting
- Project Management

Clients Have Included:

- Highlands Co. BOCC
- Polk Co. BOCC
- Hardee Co. BOCC
- City of Bartow
- City of Avon Park
- City of Sebring
- City of Frostproof
- Florida Dept. of Env. Protection, Division of Parks and Recreation, Bureau of Design and Construction
- South Florida Community College
- Lowes
- Home Depot
- Habitat for Humanity
- Tanglewood Mobile Home Community (John Greytak)
- Highlands Ridge Associates, Inc.

Active Registrations:

- Registered Professional Engineer (Florida #25763)
(North Carolina #13081)
(Georgia #015837)

HIGHWAYS & DRAINAGE

Served as Civil Project Manager and Lead Civil Engineer on a variety of roadway widening and highway construction projects in Central Florida. Clients have included both cities and counties. These projects have ranged from initial PD&E Studies evaluating roadway corridors to preparation of design and construction drawings. Each of these projects has presented unique permitting issues ranging from threatened and endangered species to noise studies. All of these projects have had drainage related issues of concern. Designed and permitted projects in the South, Southwest, St. Johns and North Florida Water Management Districts. Tasks have ranged from design of the storm water conveyance systems to modeling of the storm water management systems.

COUNTY/MUNICIPAL ENGINEERING

For approximately 15 years served as the County Consulting Engineer for Highlands County. In that capacity served as an extension to the County Manager and County Engineer dealing with a full range of issues that confronted the staff on a daily basis. These assignments could range from dealing with a flooding problem at a local residence to assisting with annual budget development to Commission presentations on engineering topics. Supplemented County staff on the design of miscellaneous intersection and drainage improvements as dictated by their needs. Also served in this role for several small communities in central Florida.

LINEAR UTILITIES/WATER AND WASTEWATER

Civil Project Manager and Lead Civil Engineer on many linear utility projects over the past thirty years. These projects have ranged from relocation of water and wastewater utilities for roadway widening projects to extension of natural gas mains to new industry locating in the area. In addition to design services, these projects included utility permitting and construction management.

PARKS AND RECREATION PROJECTS

Over the last five years designed seven recreation and park projects in Central Florida. These projects have ranged from passive parks on environmentally sensitive tracts to active parks having baseball, softball, football and soccer facilities. Clients have ranged from the Florida Department of Environmental Protection and the Florida Fish and Wildlife Conservation Commission to the Water Management Districts and local municipalities.



Kristen M. Buzzanca, J.D.

Corporate Contracts Administrator

- 2 years with Chastain Skillman, Inc.
- 10 years in Private Practice as Commercial Litigator

Education:

- Stetson University College of Law
Juris Doctor, cum laude
- University of South Florida
BA

Areas of Expertise:

- QA/QC
- Code/Regulatory Compliance
- Civil and Commercial Litigation

Clients Have Included:

- Lake Alfred
- Town of Dundee

Active Registrations:

- Member, The Florida Bar
- Member, Lakeland Bar Association
- Admitted U.S. District Court for the Middle District of Florida
- Graduate of Leadership Winter Haven

QA/QC (QUALITY ASSURANCE/QUALITY CONTROL)

- Review, revise and negotiate contracts
- Review requests for proposals and bid submittals
- Propose alternative structures to mitigate risks
- Monitor all quality related activities on the project
- Prepare project quality system management documentation prior to project commencement
- Review quality inspection personnel qualifications and training requirements
- Recommend and implement improvements when required
- Attend client quality management meetings
- Coordinate all quality related correspondence with client representatives
- Review and respond to client concerns

CODE/REGULATORY COMPLIANCE

- Implement organizational policies, standards and procedures to comply with applicable codes and regulations
- Respond to inquiries from regulatory agencies



Wendy G. Contner, PE

Project Engineer - Stormwater (ERP) Design and Permitting

• 6 years with Chastain Skillman, Inc.

• 6 years in the Industry

Education:

• University of South Florida
BS Civil Engineering

Areas of Expertise:

- Stormwater and Drainage Design
- Hydrological Studies and Floodplain Mapping
- Water Use Permitting

Clients Have Included:

- The Ruthvens, Inc.
- Lakeland Christian School, Inc.
- Publix Super Markets, Inc.
- The Drummond Company, Inc.
- Polk County School Board
- Habitat for Humanity
- Polk County
- City of Bartow
- City of Auburndale
- Pulte Home Corporation
- Central Maintenance and Welding, Inc.
- Fields Motorcars of Florida, Inc.

Active Registrations:

- Registered Professional Engineer (Florida P.E. #70604)
- LEED Green Associate (ID # 10626154)

STORMWATER, DRAINAGE AND SITE DESIGN

Project Type: Commercial/Residential/Institutional/Municipality

Size: 0.5 acre - 300 acres | **Cost:** \$30,000 - \$200,000 +

Performed stormwater management design services for commercial, residential, institutional and industrial land development projects. This has included stormwater master planning, multi-phase designs, multiple interconnected pond systems, hydrologic and hydraulic modeling and nutrient loading calculations. Interfaced with permitting through the local regulatory and review agencies, including the Water Management Districts, local municipalities, FEMA, FDOT and FDEP. Provided post-construction stormwater compliance and re-certifications with the various regulatory and review agencies. Design software familiarity includes Ponds, ICPR, Hydraflow, StormCAD and AutoCAD.

HYDROLOGICAL STUDIES & FLOODPLAIN MAPPING

Project Type: Commercial/Residential/Institutional

Size: 18 acres - 2,000 + acres | **Cost:** \$10,000 - \$100,000 +

Performed hydrological analysis and flood plain modeling for land development projects ranging from one (1) acre to 2,000 acres. This has included pre-and post-development modeling, floodplain encroachment and compensation calculations and establishment of Base Flood Elevations for FEMA map amendments.

WATER USE PERMITTING

Project Type: Commercial/Residential

Size: 2 - 100 acres + | **Cost:** \$6,000 - \$20,000

Provided water use permitting services to obtain permits from the Water Management Districts. The process includes data collection, beneficial need justification, water conservation plans and irrigation quantity modeling (AGMOD).



Christopher B. Sipe, P.E.

Senior Project Manager

- 23 years with Chastain Skillman, Inc.
- 26 years in the Industry

Education:
 • University of Florida
 BS Civil Engineering

- Areas of Expertise:**
- Site Development Engineering and Project Management
 - Stormwater Design and Analysis
 - Roadway Improvements
 - Subdivision Design
 - Commercial Complexes
 - Industrial Parks
 - Utilities Design
 - Municipal Parks

- Clients Have Included:**
- The Drummond Company, Inc.
 - The Ruthvens, Inc.
 - Madonia Tomato Processors
 - IMC Fertilizer, Inc.
 - CF Industries, Inc.
 - City of Auburndale
 - City of Winter Haven
 - City of Bartow
 - City of Lakeland
 - Polk County
 - Sun 'n Fun EAA Fly-In, Inc.
 - Watson Clinic
 - Lakeland Regional Medical Center
 - Century Realty Funds, Inc.
 - La Quinta Inns, Inc.
 - Diocese of Orlando
 - Victory Assembly of God
 - St. Pauls Lutheran Church
 - First United Methodist Church
 - Private/Individual Developers
 - Major Supermarket Chain (Confidential Client)

Active Registrations:
 • Registered Professional Engineer (Florida PE #42751)

CONSTRUCTION SERVICES

Project Type: Commercial/Industrial/Residential/Municipal
Size: 1 acre - 100+ acres | **Cost:** \$10,000 - \$4+m
 Performed reviews of construction activities for compliance with plans and permit requirements. This included review of submittals and shop drawings, progress pay requests, and general compliance with the plans and specifications.

STORMWATER DESIGN AND ANALYSIS

Project Type: Commercial/Industrial/Residential/Municipal
Size: 1 acre - 2,000+ acres | **Cost:** \$20,000 - \$250,000
 Provided services relating to the design and analysis of stormwater management systems for land development projects including commercial, industrial, residential, and municipal projects. Projects range from minor, single retention area systems to multi-phase, multi-pond, interconnected systems. Services included design, permitting, and implementation. Examples of regulatory agency involvement includes: local municipalities, water management districts, FEMA, FDEP, ACOE, and FDOT.

SITE DEVELOPMENT ENGINEERING AND PROJECT MANAGEMENT

Project Type: Commercial/Industrial/Residential/Municipal
Size: 1 acre - 200 acres | **Cost:** \$15,000 - \$250,000
 Project manager for land development projects including commercial, industrial, residential, and municipal projects. Services included the design, analysis, and permitting for stormwater management systems, site layout, utilities (water and wastewater), streets, drainage, storm sewer systems, earthwork, grading, etc.



Kenneth R. Thiele, P.E.

Principal - Senior Project Engineer/Manager - Lakeland Office

- 30 years with Chastain Skillman, Inc.
- 41 years technical and design experience

Education:

- University of Wisconsin BSCE
- Continuing Education toward MD in Sanitary Engineering

Areas of Expertise:

Expertise includes: permitting, design, and operation/maintenance of potable water supply, treatment, storage, and distribution facilities; wastewater collection, pumping, treatment, and disposal facilities; drainage; street/highway design; and all phases of site development.

Responsibilities:

Senior Project Manager/Engineer for Civil and Environmental Engineering providing feasibility and rate studies, data collections and analysis, pilot plant studies, water and wastewater treatment system design, construction, and supervision. Additional responsibilities include engineering report preparation; preparing grant applications; designing and monitoring state and federally funded projects such as CDBG; rezoning applications; site layout feasibility studies; water/sewer, street drainage, and earthwork design; preparation of contract documents; and contract administration.

Active Registrations:

- Registered Professional Engineer, Florida #30279;
- Wisconsin #15746

LAKE ASHTON COMMUNITY DEVELOPMENT DISTRICT (CDD)

Project Type: Commercial/Residential/Institutional/Municipal

Size: 700 ft. - 6 +/- miles | **Cost:** \$250,000 - \$11,000,000

Assisted in the formation of a CDD for taxing purposes on a 720-acre parcel. Engineering services included: preparing the project for development by annexing; zoning; and comprehensive plan amendment processing into the City of Lake Wales. Construction drawings were prepared for approximately 1,100 residential lots and an 18-hole golf course. Infrastructure improvements included water and sewer systems, plus drainage storm sewers for over 31,000 feet of streets. Off-site water system and sanitary sewer force main were connected to the site along ~ 8,000 feet of State and County Highways. Topographical surveying, construction stakeouts, and platting and recording were performed by Chastain-Skillman internal surveying crews.

ROADWAYS

Services for these roadway examples have included civil site design, permitting, stormwater management, utility relocations and improvements.

Boulevards:

Grasslands Drive	1,200 feet bifurcated section
Lake Ashton Blvd	2,300 feet
Ashton Blvd.....	1,700 feet

Standard Two Lane Roads

Polk County.....	Connorsville Road
Polk County.....	Poitras Road No. 2
Polk County.....	Barry Road
Polk County.....	Register Road
City of Winter Haven	Dr Martin Luther King Drive
City of Haines City	Maxy Plaza Drive
City of Lakeland	Region Court
City of Bartow	Davidson Street
City of Bartow	Carpenter Avenue
City of Lake Wales.....	Lake Ashton Subdivision Roads

Roadway Widening and realignment:

City of Lakeland	Main Street
Polk County.....	Clubhouse Road



Stephen D. McConn, PE

Regional Office Manager - Lakeland Office

Senior Consultant - Civil Engineering Department

- 3 years with Chastain Skillman, Inc.
- 18 years in the Industry

Education:

- The Georgia Institute of Technology
Bachelor of Civil Engineering

Areas of Expertise:

- Feasibility studies, entitlement, design, permitting, and construction support for land development projects, including stormwater facilities, wastewater treatment, off-site utility extension, and roadway improvements

Clients Have Included:

- Drummond Company
- Florida Southern College
- City of Bartow
- City of Lake Alfred
- City of Atlanta
- Fulton County Public Works
- Forsythe County Public Works

Active Registrations:

- Registered Professional Engineer: Florida #67840; Georgia #25186; Alabama #26661-E; Ohio #61834

STORMWATER, DRAINAGE AND SITE DESIGN

Project Type: Commercial/ Residential/Industrial/Institutional/Municipal

Size: 0.5 Acre - 3,000 Acres | **Cost:** \$15,000 - \$3,000,000

Performed stormwater project management and design service for commercial, residential, industrial, institutional, and municipal projects. This has included stormwater master planning, phased design, interconnected pond systems, underground storage systems, hydrologic and hydraulic modeling, water quality enhancements, culvert design, earthen dam rehabilitation, emergency spillway repair and reconstruction, and dam breach analysis. Coordinated projects with local, state, and federal review agencies, including the Water Management Districts, FDEP, GA EPD, ACOE, EPA, and FEMA.

HYDROLOGICAL STUDIES

Project Type: Commercial/Residential/Industrial

Size: 200 Acres - 3,000 Acres | **Cost:** \$100,000 - \$1,000,000

Performed hydrological analysis for several large land development projects ranging from 200 Acres to 3,000 Acres. This included preliminary design on a 2,400 acre site of mixed use development in an environmentally sensitive area where low impact design practices, including bio swales, terraced stormwater trenches, dry infiltration ponds, and subsurface infiltration drains were all considered.

CONSTRUCTION MANAGEMENT AND OVERSIGHT

Project Type: Residential/Industrial

Size: 100 Acres - 3,000 Acres | **Cost:** \$100,000 - \$1,000,000

Provided construction management and oversight on several large restoration projects. This included a full dam rehabilitation on a 30 acre lake to stabilize the dam's structure and increase the width to allow a road to be constructed across the dam. Additional projects included the redesign and analysis of a 15 acre stormwater retention pond after existing dam breached during a major rainfall event. Existing siphon system was determined to be insufficient and a gravity outfall was designed and constructed with an emergency spillway in the event of system failure. Managed the design and construction of several streambank restoration projects where the stream buffers were impacted by local development and the natural systems were showing degradation. These projects were permitted through the local issuing authority and the GA EPD.



Arthur D. Wade III, PWS

GIS Data Management; Wetlands and Habitat Delineation

- 10 years with Chastain Skillman, Inc.
- 16 years in the Industry

Education:

- Florida Southern College
BS Biology

Areas of Expertise:

- Wetlands delineation, mitigation, and permitting
- Gopher Tortoise surveys and permitting
- Seasonal High Water Table (SHWT) determination
- Geographic Information System (GIS) applications
- Wetland monitoring

Clients Have Included:

- ALMY, Inc./ADVIGO
- Central Beef
- Century Realty
- City of Auburndale
- City of Bartow
- City of Eagle Lake
- City of Frostproof
- City of Lakeland
- City of Mulberry
- City of Tallahassee
- City of Wauchula
- Highlands Enhancement, Inc.
- Jacksonville Electric Authority
- Parsons Brinckerhoff Quade & Douglas
- Publix Supermarkets, Inc.
- Polk County
- Ruthven Real Estate
- USS Real Estate

Active Registrations:

- Professional Wetland Scientist (#1799)
- Certified Florida Department of Environmental Protection (FDEP)
- Erosion and Sediment Control Inspector (#11599)
- Gopher Tortoise Authorized Agent (FWC Permit No. GTA-09-00247)

GIS APPLICATIONS

Project Type: Commercial/Residential/Institutional/Municipal

Size: over 500 projects | **Cost:** Over \$150,000

Developed GIS databases and plotted geospatial characteristics using ARCEditor that have involved land development permitting and design, due diligence, utility relocations, and roadway improvement projects. This has included downloading data from the public domain, combining that with empirical data collected during site investigations, and developing data layers to increase the utility of relevant information to improve site design.

WETLANDS DELINEATION, MITIGATION, PERMITTING. AND MONITORING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 0.1 acres - 200 acres | **Cost:** \$3500 - \$50,000

Performed wetlands delineation at more than 100 sites within the South Florida, Southwest Florida, St. Johns River, and North Florida Water Management Districts (WMDs). This included undeveloped and developed sites, and involved close coordination with WMDs and the Florida Department of Environmental Protection. These activities have been conducted in accordance with established Federal and State wetland methodologies. Types of projects supported by these activities have included: commercial and residential land development; municipal water, wastewater, and stormwater utility projects; roadway design; and electric transmission corridor design. Performed site investigation activities to determine SHWT through the use of vegetative, hydrologic, and hydric soil indicators for wetlands delineation.

GOPHER TORTOISE SURVEYS AND PERMITTING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 5 acres - 200 acres | **Cost:** \$5,000 -50,000

Authorized Gopher Tortoise Agent for surveying gopher tortoise habitats, assessing habitat quality, determining potential impacts of development on habitats, and permitting for capture and relocation to suitable alternative habitats.



Lisa Strine Lassi, PE, CDT

Specifications & Permitting

- 31 years with Chastain Skillman, Inc.
- 31 years in the Industry

Education:

- University of South Florida
ME
- University of South Florida
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design, permitting, and construction
- Administration of water and wastewater projects

Clients Have Included:

- City of Auburndale
- City of Bartow
- Century Realty Funds, Inc.
- Drummond Coal Company
- Highlands County
- City of Mulberry
- Villages of Highlands Ridge
- City of Avon Park

Active Registrations:

- Registered Professional Engineer
(Florida P.E. #44157)
- CSI Certified Construction Documents Technologist

WASTEWATER STUDIES AND DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Contributing engineer for design of a new 2.0 mgd Sequencing Batch Reactor wastewater treatment facility. Managed preparation of Operation and Maintenance Manual for regional wastewater treatment facility. Developed wastewater residuals land application management plan. Designed lift station improvements to include conversion from dry well to wet well with submersible pumps. Managed design and construction of pump stations and sanitary sewer rehabilitation.

SPECIFICATION PREPARATION

Project Type: Municipal/Commercial/Institutional/Industrial

Size: NA | **Cost:** \$250,000 - \$10,000,000

CSI Certified Construction Documents Technologist has responsibility for preparing Contract Documents following EJCDC format and technical specifications for all environmental engineering projects. Responsible for maintaining and updating both the EJCDC Construction Documents and CSI Masterformat system. Updates master technical specifications as required to keep current with industry standards.

PERMITTING

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$5,000 - \$80,000

Prepared a wide variety of permitting services, including NPDES industrial stormwater and compliance, Water use, Collection systems and pump stations, dredge and fill, and wastewater treatment plants.



Harry Robert Losh, Jr.

Project Manager - Tallahassee Office

- 25+ years with Chastain Skillman, Inc.
- 41 years in the Industry

Education:

- Polk Community College
AS Pre-Engineering

Areas of Expertise:

- Permit coordination
- Utility and construction coordination
- Roadway and piping system design

Responsibilities:

Project Coordinator for designing streets, drainage systems, water systems, and sanitary sewers; researching existing utility records and coordinating designs with utility companies; completing permit applications (i.e., DOT Driveway and Utility permits, Polk County Utility permits, Septic Tank permits, Water System Construction permits, Wastewater System Construction permits), and coordinating information between governmental agencies, engineering, drafting, and survey departments.

Active Registrations:

- Registered General Contractor - Florida (License #RG0045960) [inactive]
- FDEP Qualified Stormwater Management Inspector
- Certified Asbestos Inspector

CITY OF TALLAHASSEE

Miscellaneous water and wastewater system extensions and relocations associated with roadway projects. Lead designer for Pump Station renovations and piping revisions.

HOLMES COUNTY

Lead Designer for CDBG-funded Rum Road Improvements to include preparation of construction documents for paving, shoulder and drainage improvements for a 3.3 mile long existing clay stabilized road.

CITY OF LAKELAND

Lakeland/Auburndale water system interconnect; misc. water and sewer relocations for F.D.O.T. roadway projects; English Oaks Wastewater Force Main- Approximately 7 miles in length of up to 30" pipe.

BENEFICIAL COMMUNITIES

Lead Designer for 80-unit, single-family residential development in Marianna, Florida including layout and design of roadways and drainage, water distribution system, wastewater collection and pumping system and site grading, permitting and coordination with jurisdictional agencies.

CHIPOLA AIRPARK

Lead Designer for 55-acre private residential air park in Greenwood, Florida including design of combination driveways/taxiways around the perimeter of a grassed runway and associated storm water collection system, and design of water distribution system.

CITY OF AUBURNDALE

Miscellaneous water and wastewater system extensions; Lake Stella walkway; agency coordination; water plant renovation; miscellaneous F.D.O.T. Joint Project Agreement projects; Master wastewater transmission mains supplying new regional wastewater treatment facility.

JACKSONVILLE ELECTRIC AUTHORITY (JEA)

Site grading and drainage and piping layout for Blacks Ford and Ponte Vedra wastewater treatment plant expansions.

CITY OF BARTOW

Effluent reuse force main to new Florida Power Corporation site

TOHO WATER AUTHORITY

Site paving layout, grading and drainage design; plant piping layout



Ted R. Fylstra

Project Funding Specialist

- 1.5 years with Chastain Skillman, Inc.
- 33 years in the Industry

Education:

- New Jersey Institute of Technology/Newark College of Engineering
- BS Industrial Engineering

Areas of Expertise:

- Funding Strategies
- Funding Research and Analysis
- Funding Application and Agreement
- Grant/Loan Administration
- Grant/Loan Compliance
- Monitoring
- Reporting Requirements
- Client Relations Management
- Audit Assistance

Clients Have Included:

- City of Bartow
- City of Belleview
- City of Fort Myers
- City of Frostproof
- City of Lake Alfred
- City of Marco Island
- City of Plant City
- City of Sarasota
- City of Wauchula
- Sarasota County
- Collier County

FUNDING SERVICES

Project Type: Municipal

Cost: Grants/Loans ranging from \$50,000 to \$140 million for 25+ communities

Grant/Loan Planning and Application Development:

Conduct a series of meetings with community representatives to determine and develop a comprehensive list of community-wide funding needs. Perform a Funding Analysis for this list resulting in a document providing potential funding sources and a strategy to maximize funding opportunities. Presentations to staff and management are conducted to finalize and adopt the plan.

Grant/Loan Application and Agreement:

Gather and collate information, prepare applications, and coordinate required community approvals. Coordinate with the funding agency to assure application is acceptable for the program. Coordinate the community agreement execution process.

Planning Requirements:

When the funding program requires a pre-construction planning process, manage and/or prepare the financial, environmental, technical and non-technical documents required to obtain environmental and financial approval of a project from State and/or Federal agencies. Coordinate the Public Hearing adoption process.

Administration:

Manage and coordinate the administration of the grant/loan with the community staff, consulting engineers, and funding agencies to ensure all agency grant/loan requirements are met, all expenses and revenues are properly reported, and successful audits are accomplished through the preconstruction, bidding, construction, disbursement, reporting, and close-out phases of the project.

Level of Assistance:

In the last ten years, efforts have resulted in excess of \$1.5 billion in funding for clients.



Roadway Design
Moore Bass Consulting SF 330

Moore Bass

C O N S U L T I N G

Moore Bass Consulting, Inc. is an established professional company of engineers, land planners, surveyors, landscape architects, transportation planners, development consultants and experienced support personnel.

Founded in Tallahassee in 1991 by Richard A. Moore, P.E. and Karen K. Bass, P.E., Moore Bass has grown throughout the region to serve a wide range of land development consulting needs with offices in Tallahassee, Destin and Atlanta. Our pledge is to remain focused on each client's needs, assuring the highest measure of project success, from concept planning to construction completion and occupancy.

Moore Bass Consulting provides land planning, zoning, surveying, professional engineering and landscape architecture services for site development, roadway, drainage, water, wastewater and utility needs of both private and public clients. Our professional staff has extensive experience in all types of environmental permitting and civil engineering projects including site design, roadway systems, drainage systems, water distribution systems and sewage collection systems. We have the expertise and resources to respond efficiently to the specialized needs of public agencies and private land development interests.

Our clients include local, state, and federal government agencies as well as military, institutional, and industrial clients. Our design professionals are registered in Florida, Georgia, and Alabama and work regularly with a range of design conditions and permitting agencies. Our record of permitting projects proves that our system of preparation, planning, strategy development, project team organization, and execution yields results.

RELEVANT SURVEY EXPERIENCE

Roadway Design

- Beech Ridge Trail (Killearn Lakes Plantation), Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for roadway design, including topographic surveying/ cross-sections of existing roadways.
Client:	Tallahassee Land Company Trey DeSantis 217 John Knox Road Tallahassee, FL 32303 (850) 385-6363
Completion Date:	August 2009
Project Manager:	Tom O'Steen/ Danny Davis

- Canopy, Welaunee Boulevard, Tallahassee, FL
- Survey for Roadway Design (Welaunee Boulevard) - CNL - 1479.004 - 2010-2011

Scope of Work:	Moore Bass Consulting provided surveying services, including cross-sections, for roadway design (extension of Welaunee Boulevard).
Client:	Rich Properties Jerry Rich 3535 Windsor Place Boca Raton, FL 33496 (561) 994-3005
Completion Date:	March 2006
Project Manager:	Eddie Bass/ Danny Davis

Years Experience: 28

With Current Firm: 20

Education:

University of Florida,
Gainesville, FL 1983
Graduated with Honors

Professional Registrations:

Florida Professional Engineer, 38745

Georgia Professional Engineer, 22434

Alabama Professional Engineer, 23962

Colorado Professional Engineer, 36029

Professional Organizations:

American Society of Civil Engineers, Past Florida Section Board of Directors, Past Tallahassee Branch President

Florida Engineering Society Member

Leadership Tallahassee Class XXVIII President

Tallahassee Memorial Hospital Board of Directors

General Qualifications

As an Owner and Partner, Mr. Moore has a deep commitment to Tallahassee community involvement ensuring strong working relationships with government and private sector interests.

He has a high level knowledge of trends, policies and ordinances governing land use, land development, roadways, utilities, site design and permitting. Mr. Moore has an extensive background in Engineering Design including; Private and Municipal Roadway and Drainage Systems; Subdivision Design; Drainage Studies and Analysis including design of Regional Stormwater Facilities.

Mr. Moore is experienced in Campus Master Planning; Site Planning and Design including Shopping Centers, Apartment Complexes, Banks, Service Stations, Office Parks and Golf Course Community Planning and Design, Rezoning representation; Comprehensive Plan Amendment and DRI Consulting.

Mr. Moore's Project Management experience includes Contract Administration/Control, Plan Compliance Inspection and Field Supervision, Design of Sewer Collection Systems, Sewer Pump Station and Force Mains systems, Septic Tank and Drainfield Systems, Water Supply and Water Distribution Systems.

Mr. Moore's Permitting experience includes Zoning and PUD approvals 163 Local Government Development Agreements, Traffic and Stormwater Concurrency Approvals, Local Planning and Zoning Department Site Plan Approvals; Subdivision Plat Approvals; Environmental Assessment Approvals; Environmental Impact Analysis Approvals; Environmental Permitting, including: NPDES Permitting, C.O.E. Permitting, Wetland Mitigation/Restoration, F.D.E.P. Dredge and Fill, F.D.E.P. 62-25 Stormwater Discharge, Local Government and Water Management District Stormwater Permitting; Landscaping Permitting; D.O.T. Drainage/Driveway Connection Permitting; and NWFWM Dam Modifications and NWFWM ERP, ACOE LOMA and CLOMA approvals.

Areas of Expertise:

- Land Development Consulting
- Roadway and Drainage Design
- Environmental Permitting
- Project Master Planning
- Project Management
- Contract Administration
- Development Agreements and Zoning
- Governmental Consulting

Representative Projects:

**State Satellite Office Complex for the State of Florida
Department of Management Services - Tallahassee, FL**

Client: State of Florida - Master Plan Phases I-III including Development and Regional Impact for 95 Acre Site; Planned Unit Development for 1.4 Million sq. ft. Office Expansion; Phase III Master Plan and Site Planning; Utility and Infrastructure Master Planning; Preparation of Development Design Standards; and Transportation Planning.

Florida State University - Campus Stormwater - Tallahassee, FL

Client: Florida State University - Phase I, II and III FSU Box Culvert Design; 6,000 ft Box Culverts; Coordination of Utility Relocation; Drainage Modeling; Flood Study; Site Rehabilitation; and Landscaping and Pedestrian Conveyance.

Connor Boulevard, Tallahassee Florida

Client: Piney Z CDD/City of Tallahassee - Four Lane divided cross section from Apalachee Parkway to Trojan Trail including bike and pedestrian plans. Joint City funded / Developer Funded Project.

Market Street, Tallahassee Florida

Client: 3 lane commercial city street from Thomasville Road to Timberlane Road, utilities and stormwater design.

Sharer Road and Allen Way, Tallahassee Florida

Client: 3 lane commercial city street from North Monroe Street to Fulton Road, utilities, mass grading for adjacent commercial site and stormwater design.

Surgeon's Drive, Tallahassee Florida

Client: Tallahassee Memorial Healthcare - 3 lane commercial city street from Miccosukee Road to Physicians Drive including retrofit of existing Physician's Drive segments and design of utilities and storm water conveyance systems. Master storm water facility.

Piney Z Residential Community - Tallahassee, FL

Client: Conner Development - 390 acre Planned Unit Development; Doyle Conner Boulevard Design; Coordinate Major Utility Connections; Sanitary Sewer Pump Station Design; Force-Main Design; and Water System Design.

Summit East Office Community on U.S. 90 East - Tallahassee, FL

Client: Terra Vista, Inc. - Master Plan and Permitting for 116 Acre Commercial/Office Subdivision; Regional Stormwater Facility and Wetland Design; Utility Design and Infrastructure; Entrance and Round-a-bout Design; Entrance Sign, Fountain and Recreational Trail; Landscape Architecture and Irrigation Design; and Common Area Plaza and Boardwalk Design.

Tallahassee Memorial Healthcare - Bixler Emergency Center/Women's and Children's Center & Professional Office Building - Tallahassee, FL

Client: Tallahassee Memorial Healthcare - 100 acre Master Plan for Medical Campus; Develop

Planned Unit Development for 80 acre Medical/Office Campus; New Parking Garage and Surface Parking; Major Utility Design; Stormwater Master Planning; Preparation of Design and Guidelines for Master Plan; and Landscaping and Pedestrian Corridor Design.

Maclay Preparatory School Master Plan and Continuing Services - Tallahassee, FL Client: Maclay School - Master Plan for 100 acre site; Media Center; High School Pod; Master Stormwater Conveyance Design; Soccer Field and Tennis Court Design; Middle School Expansion and Parking Expansion.

Southeastern Urological Center - Centre Point Boulevard - Tallahassee, FL Client: Southeastern Urological Center - Site Planning per DRI Requirements; City of Tallahassee Design Criteria; Handicap Accessibility; Major Utility Design; Landscape Requirements; and Drainage to Master Stormwater Facility.

The Farm Residential Community on Lower Bridge Road - Wakulla County, FL Client: Millard Noblin Realty - 142 Acre Single Family, Multi-Family, Commercial/Office Subdivision; Major Utility Design and Infrastructure; Master Stormwater Facility Design; On-site Sanitary Sewer Pump Station Design; and Common/Open Space with Hiking and Nature Trails.

Killearn Estates Units 25, 39, 40 and 41 - Tallahassee, FL Client: Killearn Properties - Over 200 acres and 4 miles of residential street, utility design, permitting and platting.

Eagle's Ridge at Golden Eagle, Leon County Florida Client: Twin Action Realty - Over 150 single-family residential units, residential street design, central utilities, master stormwater facilities, part of an active DRI.

Golden Eagle Units 5 and 6 Client: Killearn Properties- Over 100 single family residential units, residential street design, central utilities, master stormwater facilities.

Killearn Lakes Plantation Units 5, 6, 7 and 8 Client: Killearn Properties - Over 150 single family residential units, County Maintained roadways, residential street design, central utilities, onsite stormwater facilities.

Community Service:

TMH Board of Directors, 2007-Present

Tallahassee Community College Foundation, Board of Directors, 2001-Present

Leadership Tallahassee, Class XVI, Class Chairman, 1998- Present

Leadership Tallahassee, Board Member 2004-2007, Treasurer 2006-2007

Tallahassee-Leon County Chamber of Commerce, Board of Directors, 1999-2007

Economic Development Council, Board Member, 1996-2007

Leadership Florida Class XXII, 2003-2004

Tallahassee-Leon County Chamber of Commerce, Growth Management Committee Chairman, 2001-2002

	<p>Tallahassee-Leon County Chamber of Commerce World Class Schools, Chairman, 2000-2001 Holy Comforter School Board, Member, 1997-2000 City of Tallahassee Architectural Review Board- Past Chairman, Past Member, 1993-1997 Historic Tallahassee Preservation Board, Past Chair, Trustee, 1996-1997 Leon County Contractor's Licensing Board- Past Chair, Past Member, 1993-1997 Tallahassee-Leon County Planning Department, Zoning Code, Citizens Advisory, 1996 Leon County Code Enforcement Board, Past Chairman, Past Member, 1988-1993 Capital Rotary Club, Past President, Paul Harris Sustaining Member, Member since 1983</p>

Years Experience: 35

With Current Firm: 20

Education:

BS Civil Engineering,
University of Florida

Professional Registrations:

State of Florida,
Professional Engineer,
#31902

State of Georgia,
Professional Engineer,
#20704

State of Alabama,
Professional Engineer,
#23667

State of Mississippi,
Professional Engineer,
#18663

State of Florida,
Certified Building Contractor,
CBC # 1250953

Professional Organizations:

Florida Engineering
Society

General Qualifications

Ms. Bass is a professional engineer with 33 years of consulting and design experience. She is registered in the states of Florida, Georgia and Alabama. Her engineering experience includes stormwater master planning, drainage system design, sanitary sewer collection systems, sewerage pump station design, potable water distribution, urban and rural roadway design, commercial and residential site design planning, development planning and transportation planning. Ms. Bass is also a licensed building contractor in the State of Florida.

Representative Projects:

Bainbridge College, Bainbridge, GA and Blakely, GA

Client: Georgia Board of Regents – Provided schematic design and construction documents for all improvements associated with construction of a Student Wellness Center on the Bainbridge College Campus and a Student Center Addition on the Early County Campus.

Florida State University Master Plan

Client: Florida State University- Planning of campus improvements and negotiation of development agreement with the City of Tallahassee. Scope included coordination of regulatory agencies, development of implementation strategies including entitlements and participation in the public hearing process.

Maclay School Master Plan, Tallahassee, FL

Client: Maclay School Tallahassee Florida- Master Planning of 100 acre school campus. Master Plan scope included traffic analysis, pedestrian and bicycle circulation, bus and vehicle separation, master storm water facilities, overall sanitary sewer and potable water. Managed project from board approval, through entitlements, zoning, construction documents and permitting with the City Of Tallahassee.

Maclay School Media Center and Gymnasium, Tallahassee, FL

Preparation of construction documents and construction administration for quadrangle to include media center and parking associated with new gymnasium.

Griffin Middle School, Tallahassee, FL

Client: Leon County School- Preparation of site construction documents for reconfiguration and separation of bus loop and parent loop. Grading and drainage of new general purpose ball fields.

Gilchrist Elementary School, Tallahassee, FL

Client: Leon County Schools- Preparation of construction documents for addition of turn lane to a public roadway and reconfiguration of interior school circulation to facilitate bus lanes and parent lanes.

Canopy Oaks Elementary, Tallahassee, FL

Client: Leon County Schools - Construction documents for all site improvements associated with construction of a new elementary school. Improvements included sidewalk and pedestrian circulation, car and bus circulation, general purpose playgrounds, utilities and stormwater conveyance and retention systems.

North Florida Community College, Madison FL

North Florida Community College Preparation of construction documents and construction administration for grading and under drain system for competitive baseball field.

Stadium Drive Tallahassee Florida

Client: Florida State University/ City of Tallahassee - Managed the preparation of construction documents including geometry, stormwater, utility and pedestrian design of a multi lane roadway replacing an in service existing urban roadway. Scope of service included site analysis, right of way acquisition, traffic analysis, MOT, intersection design, signal design, construction documents and construction administration utilizing a construction manager delivery.

Woodward Ave, Tallahassee, Florida

Client: Florida State University- Managed the preparation of construction documents for conversion of an existing vehicular roadway to a pedestrian corridor for three city blocks. Scope of service included traffic study, site evaluation, hardscape and landscape design, MOT, construction and bid documents and construction management.

Stormwater Master Plan Florida State University

Client: Florida State University- Prepared a campus wide stormwater analysis of existing stormwater conveyance system. Scope including site analysis of existing conditions, user group input to establish known problem areas and developed priority ranking system for system improvements. Scope included preparation of construction documents for identified improvements, coordination of regulatory agencies and permitting, bid and award of contract and construction administration.

Florida State University Stormwater Improvements

Client: Florida State University - Provided technical design services for Phase 3 drainage improvements within developed areas of campus. The drainage retrofit projects included design services for stormwater pipe upgrades, inventory and analysis of existing utilities and potential conflicts; review special needs program, address public safety and pedestrian circulation requirements. Prepared construction documents for the upgrades which included meeting the safety needs of campus users and special access requirements during construction activity.

Years Experience: 19

With Current Firm: 6

Education:

BS Civil Engineering, Florida State University, 1991

Professional Registrations:

Professional Engineer

Florida - 49400

Professional Organizations:

National Society of Professional Engineers

Florida Engineering Society

General Qualifications

Mr. Wynn is a Professional Civil Engineer with 17 years of experience. This experience offers a broad range of expertise in civil design and permitting while working with state and local agencies. Mr. Wynn's capabilities allow him to perform site planning and design work including residential subdivisions, multi-family apartments and condominiums, commercial retail/offices, as well as industrial. He has also permitted various single family and multi-family residential projects in Leon County and the surrounding areas.

His design experience includes, but is not limited to Project Management, Contract Administration, Plan Compliance Inspection, Field Supervision, Roadway and Drainage Systems, Local and Regional Holding Ponds, Site Planning and Design, Subdivisions, Shopping Centers, Apartment Complexes, Banks, Service Stations, Office Parks, Sanitary Sewer Collection Systems, Sanitary Sewer Pump Station and Force Mains.

Mr. Wynn's permitting experience includes but is not limited to Environmental Permitting, C.O.E. Permitting, DEP Dredge and Fill, FDEP Stormwater Discharge, FDEP Wastewater Collection, FDEP Water Distribution, NPDES Permitting, County/City Stormwater, Tree Removal, Landscape Permits, DOT Drainage/Driveway Connections, NWFWM Dam Modifications, Contractor Supervision and Project Management and Tracking.

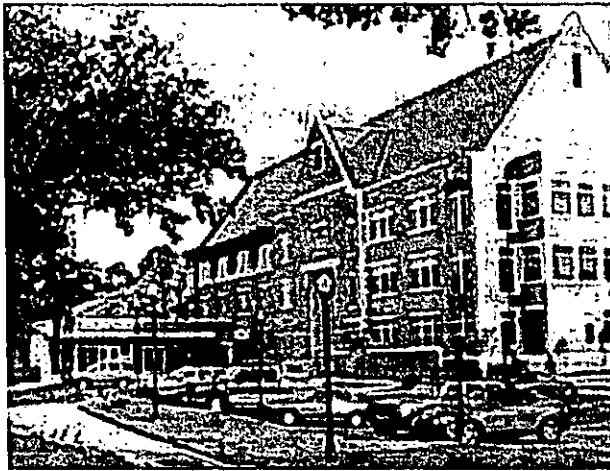
Areas of Expertise:

- Project Management
- Civil Engineering Design
- Stormwater Master Planning and Retention/Detention Design
- City/County Stormwater, Utility Design
- Pump Station and Force Main Design
- Water Distribution Modeling and Design
- Construction Management

Representative Projects:

Site Development (Selected Examples)

Florida State University West Campus Dining Hall- Tallahassee, Florida Client: Florida State University - Provided Civil Engineering and Site Analysis, Project Management and Construction Administration of the West Campus Dining Hall, a 15,900 square foot facility consisting of a new kitchen/cafeteria with a seating capacity inside the facility of 360 and an additional 2,900 square feet of covered outdoor space to serve the dining facility needs of students, faculty, and staff.



**Florida State University
Psychology Center –
Tallahassee Florida**

Client: Florida State University - Provided Civil Engineering and Site Analysis and Project Management and Construction Administration of a 103,000 square-foot facility for faculty and students. The \$56 million building,

constructed in two phases, features a 220-seat auditorium, 54 faculty and administrative offices, 49 research laboratories including histology and molecular genetics labs, seven meeting rooms, six technology-enhanced classrooms, two student computer rooms, a conference room and a seminar room.

Tallahassee Gymnastics Center - Tallahassee, Florida

Client: EMO Architects – Provided Project Management for site, grading, drainage and utility plan for the 27,000-square foot facility includes a large gym with two competitive floor areas, floor pits and spectator seating for over 230. Other features include a separate preschool gym, dance studio, conference room and kindergym.

Air Traffic Control Tower - Tallahassee, Florida

Client: EMO Architects – Provided Project Management for the last project site grading, drainage and utility plan for Air Traffic Control Tower.

Connor Boulevard, Tallahassee Florida

Client: Piney Z CDD and City of Tallahassee - Provided civil engineering design for roadway project consisting of approximately 2 miles of a four lane, divided, major collector roadway. The extension connects the existing Conner Boulevard to Apalachee Parkway, a major arterial state highway. It also provides public access to two proposed Planned Unit Developments (PUDs) and Lincoln High School. Construction costs exceeded \$4 million and included three wetland crossing, a complex series of stormwater management facilities and a bicycle/pedestrian overpass to connect Lincoln High School with a public park and a bicycle/pedestrian path network.

Blairstone Court

Client: City of Tallahassee – Provided Project Management, Civil Engineering and Construction Administration for retrofitting the streets and drainage system in a private subdivision to meet city public works standards. Developed plans to overlay the existing asphalt paving on the subdivision roads and to extend the drainage system from the existing storm drain in the road to the ultimate outfall point. Some of the repaving included overbuilding the asphalt to redirect sheet flow. Particular effort was given to coordination on properly tying in the existing concrete driveways to the new. In addition, Moore Bass managed the environmental permitting effort

with the City Growth Management Department and confirmed the exempt status with FDEP for NPDES as well as a General Stormwater Permit.

Pump Station 70 at Timber Lake Subdivision

Client: City of Tallahassee – Provided Project Management and Civil Engineering for the relocation of an existing pump station out of a flood plain as well as expanding the pump station capacity for future development from surrounding offsite areas. The detailed work effort included projecting flows for existing and proposed contributing land areas and uses, pump selection and flow calculations, designing gravity and force main sanitary sewer, and FDOT driveway and utility permitting.

Community Service:

Committee to rewrite the City of Tallahassee Environmental Management Ordinance

Committee to revise the review procedures of the City of Tallahassee Development Review Committee

Member/Deacon, North Florida Baptist Church

Years Experience: 5
With Current Firm: 1.5

Education:

University of Florida,
Bachelor of Science in Civil
Engineering, 2004

Engineering College Dean's
List

Estridge Engineering
Scholarship and Florida
Academic Scholarship
recipient

**Professional
Organizations:**

Florida Board of
Professional Engineers
Engineer Intern
(#1100009403)

General Qualifications

Transportation Concurrency Analysis Mrs. Morgan assists the firm in the preparation of concurrency management system analyses for its clients. She has extensive experience in the concurrency implementation process, and has prepared concurrency analyses for a wide range of proposed uses, as well as assessed revisions to both the process and implementation of concurrency systems.

Traffic Analysis, Modeling, and Simulation Mrs. Morgan has conducted traffic analyses for a variety of projects. She has modeled traffic for numerous projects using Quick Response System (QRS), and has developed traffic simulation using Corsim/Netsim and SimTraffic for several proposed roadway projects. Mrs. Morgan has also managed extensive traffic signal analysis work using Synchro signalized intersection analysis software and Highway Capacity Manual methods of analysis.

Signal Warrant, Turn Lane, Roundabout, and Stacking Analyses Mrs. Morgan has performed signal warrants analyses, unsignalized and signalized intersection analyses, travel demand forecasting, roundabout analyses, turn lane warrants, stacking analyses, site access and circulation, safety/crash analyses, trip generation studies, and queuing analyses.

Campus Master Planning Mrs. Morgan has prepared the transportation elements for the master plans of universities. Such projects include the analysis of traffic impacts and the proposed mitigation cost of such impacts.

Developments of Regional Impact (DRI) Mrs. Morgan has been involved in several DRIs throughout Florida. She has been involved with the entire process of DRIs including the Preapplication Conference with all parties, preparation of the transportation study, and subsequent traffic monitoring and reports.

Areas of Expertise:

- Transportation and Land Use Planning
- Transportation Concurrency Analysis and Mitigation
- Traffic Impact Analysis
- Trip Generation Studies
- Campus Master Planning
- Development Review and Permitting
- Roadway and Intersection Design Details
- Site Plan Traffic Circulation
- Corridor Studies

Representative Projects:

Public Sector-Related Projects (Selected Examples)

Florida State University Campus Master Plan – Panama City, Florida and Tallahassee, Florida

Client: Florida State University – Work involved the preparation of the transportation element of the Master Plan as well as analysis of transportation concurrency impacts and negotiation of a Campus Development Agreement to mitigate impacts. Work involved analysis of the Main Campus and the Southwest Campus in Tallahassee and well as the Panama City campus. Tasks also include analysis of significant bicycle/pedestrian issues, university parking requirements and campus traffic circulation.

Transportation Consulting – Crestview, Florida

Client: City of Crestview – Performed several tasks for the City, including analysis of comprehensive plan amendments, preparation of a traffic impact fee study, preparation of materials for a Level of Service variance for State Road 85, a Strategic Intermodal System (SIS) facility, and discussions with local, regional, and state review agencies.

School Sites Traffic Analysis – Tallahassee, Florida

Client: Leon County School Board – Performed analysis of vehicular, bicycle, and pedestrian issues for several school sites over extended period of time, including Roberts Elementary, Conley Elementary, Montford Middle, Apalachee Elementary, Lincoln High, Adult Community Education Center, and Gretchen Everhart School. Tasks include transportation concurrency analysis, operation analysis of external access points, and data collection and analysis of internal bus and student drop-off/pick-up issues.

Land Development Projects (Selected Examples)

Alys Beach – Walton County, Florida

Client: EBSCO Industries – The project is a gulf-front traditional neighborhood design of 899 dwelling units, 180,000 square feet of commercial space, and a 64-room hotel. Provided transportation entitlement services through all phases of the process, beginning with the state Development of Regional Impact Binding Letter of Determination phase, then through the Planned Unit Development process, transportation concurrency analysis and mitigation negotiations, traffic operational analysis and permitting, and transportation assistance with technical documents.

Evening Rose – Tallahassee, Florida

Client: K2 Urbancorp Development Company – The project is a model for sustainable urban infill, incorporating commercial development on a major commercial corridor with housing at a range of price points, including inclusionary housing. Significant walkable community, with innovative sustainable design features such as parking management, certified green development techniques, bioretention stormwater facilities, and rain gardens as part of the residential stormwater component. Tasks included negotiating with development review

authorities to implement a Chapter 163 development agreement and land development regulation modifications to accommodate the development's transportation and concurrency innovations, traffic impact analysis, internal traffic circulation analysis, and signal warrant analysis and permitting.

Town of Hampstead - Montgomery, Alabama

Client: The Colonial Company – This project is a sustainable community with traditional neighborhood design of over 1,200 residential units and 400,000 square feet of commercial space. Analysis included issues associated with an embedded working farm and farmers market, offices and employment, and a wide variety of residential housing. The project scope included preparation of analysis and simulation of internal roadway circulation to identify potential transportation issues associated with proposed road layouts and assistance with related transportation and access issues.

Freedom Walk – Crestview, Florida

Client: Emerald Coast Partners, LLC – A development consisting of 489 dwelling units, 100,000 square feet of commercial space, and a 50,000 square foot YMCA. Transportation services included concurrency analysis and review for both the City of Crestview and Okaloosa County, operational analysis, and analysis of roadway improvements design criteria.

Red Hawk Ridge – Dawsonville, Georgia

Client: Knight Development – This work was the preparation of traffic impact analysis for this Georgia Development of Regional Impact (DRI). Tasks included transportation data collection, traffic impact analysis, modeling of affected town square traffic patterns, and operational analysis.

Fallschase – Tallahassee, Florida

Client: AIG Baker – This work included all aspects of transportation analysis for a change and subsequent development on this Development of Regional Impact (DRI) of approximately 1,500 dwelling units and 785,000 square feet commercial space. Tasks included transportation analysis, negotiation and objective discussion of technical land use and transportation issues, impact modeling, corridor-wide impact analysis, and traffic signal warrant studies and subsequent signal design and roadway improvement design oversight.

Canopy (Welaunee) - Tallahassee, Florida

Client: CNL Real Estate and Development Corporation – Prepared transportation analyses for this development that consists of 1,572 residential dwellings and 163,000 square feet of nonresidential development in mixed use Town, Neighborhood and Community Centers. Tasks included transportation concurrency analysis and mitigation negotiation, simulation and analysis of internal roadway network to document traffic-carrying ability of the planned dense urban road network, analysis to support and recommend typical section components, and operational analysis.



Larry D. Davis, P.L.S.

Land Surveyor

Years Experience: 31

With Current Firm: 8

Education:

Rickards High School, 1979

Professional

Registrations:

Professional Land Surveyor

Florida - 5254

Professional

Organizations:

Florida Surveying &
Mapping Society

General Qualifications

As a Project Manager, Mr. Davis' duties include managing the activities of various surveying projects. His extensive surveying experience includes legal research and boundary determination, right-of-way mapping, subdivision layout, platting, construction stakeout, and the computer operations to obtain final results.

Mr. Davis has been with Moore Bass Consulting for the last 6 years. Prior to that time, he spent the first 25 years of his surveying career with Broward Davis and Associates (BDA). BDA played an instrumental role in the development of many City, County, and FDOT roadways. Mr. Davis was actively involved in many of these projects.

Areas of Expertise:

- Project Management
- Boundary Surveys
- Large Tract Boundary Surveys for FDEP
- Topographic Surveys
- Section Surveys
- Deed research
- Subdivision Platting
- AutoCAD and Land Desktop
- Control Surveying
- Design, Right of Way, and Construction Surveying
- Right of Way Mapping

Representative Projects:

Boundary and Topographic Surveys (Selected Examples)

• **Tallahassee Memorial Hospital**

Client: Tallahassee Memorial Hospital - Performed field-run boundary and topographic survey, including tree and utility location, of an 84-acre tract, located in Tallahassee, Florida, for future expansion of existing hospital.

• **Black Horse Plantation**

Client: The Marsh Harbor Company, Inc. - Performed a field run boundary and topographic survey, including tree location, of a 115-acre tract, located in Leon County, Florida, for a proposed residential subdivision.

• **San Bonita Farms**

Client: Fred Beshears - Performed a boundary survey and aerial topographic survey, including tree location, of a 407-acre tract located in Gadsden County, Florida, for a proposed residential subdivision.

- **Fallschase**

Client: Lamar Bailey/ AIG Baker – Performed a boundary and topographic survey, including tree and utility location, of a 681-acre tract for residential and commercial site planning. Project located in Leon County, Florida.

ALTA/ACSM Land Title Surveys (Selected Examples)

- **Governor's Crossing**

Client: Konover South – Performed ALTA/ACSM Land Title Survey for two (2) adjacent tracts in Tallahassee, Florida. The two (2) tracts include a Publix shopping center (approx. 6.82 acres) and a BB&T Bank (approx. 1.61 acre).

- **Fallschase Commercial**

Client: AIG Baker – Performed ALTA/ACSM Land Title Survey for a 120-Acre commercial tract located in Tallahassee, Florida, including two (2) large retail buildings with associated utilities, parking, associated roadways, and other improvements.

- **Walgreen's**

Client: Walgreen Co. – Performed ALTA/ACSM Land Title Surveys for three (3) newly constructed Walgreen's stores located in Tallahassee, Florida, including associated utilities, parking, and other improvements.

- **West 10 Apartments**

Client: West 10 – Performed an ALTA/ACSM Land Title Survey for an apartment complex located in Tallahassee, Florida, including associated utilities, parking, and other improvements.

- **Steak 'n' Shake**

Client: Steak 'n' Shake Corp. – Performed an ALTA/ACSM Land Title Survey for a newly constructed restaurant located in Tallahassee, Florida, including associated parking, utilities and other improvements.

- **Seminole Suites**

Client: Hal Marston – Performed an ALTA/ACSM Land Title Survey for a newly constructed apartment complex located in Tallahassee, Florida, including associated parking, utilities, and other improvements.

- **Holiday Inn**

Client: Murphco – Performed an ALTA/ACSM Land Title Survey for a 3-story hotel and associated improvements, located in Tallahassee, Florida.

- **Wendy's Restaurant**

Client: Wendy's International – Performed an ALTA/ACSM Land Title Survey for a Wendy's restaurant, with associated improvements, located in Leon County, Florida.

- **Place Properties**

Client: Place Properties – Performed ALTA/ACSM Land Title Survey

for a 12.2-acre parcel located in Tallahassee, Florida. This project involved in depth research into easements, encumbrances, and various deeds.

Construction Stakeout and As-built Surveys (Selected Examples)

- **Bannerman Crossing**

Client: Team South Construction – Performed stormwater, water, and sewer as-built surveys for a large retail shopping center with multiple outparcels, located in Tallahassee, Florida.

- **Call Street Drainage Improvements**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements at the intersection of Call Street and Cadiz Street for the City of Tallahassee. Performed stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Greystone Subdivision**

Client: Ben's Site Development – Performed construction stakeout for proposed roadways, utilities, grading, etc. for residential subdivision located in Leon County, Florida. Also performed stormwater, water, and sewer as-built surveys of constructed improvements.

- **Connie Drive**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Meginnis Creek**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Tartary Drive**

Client: Allen's Excavation - Performed construction stakeout for drainage improvements along Tartary Drive for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Cloudland Drive**

Client: Allen's Excavation - Performed construction stakeout for drainage improvements along Cloudland Drive for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Tallahassee Regional Airport**

Client: Allen's Excavation - Performed construction stakeout for drainage improvements at the Tallahassee Regional Airport for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of

Tallahassee specifications.

- **The Tennyson**

Client: Yates Construction – Provided construction stakeout services for a 15-story high-rise condominium, located in downtown Tallahassee, Florida. Also prepared a condominium survey for recording within the Declaration of Condominium.

- **Plaza Tower**

Client: Plaza Tower, LLLP – Provided construction stakeout services for a 23-story high-rise condominium located in downtown Tallahassee, Florida. Also prepared a condominium survey for recording within the Declaration of Condominium.

- **Capital Walk**

Client: Rich Capitol, LLC – Provided construction stakeout services for a 17-acre apartment complex located in Tallahassee, Florida. Also prepared stormwater, water, and sewer as-built surveys per City of Tallahassee specifications.

- **Alexan Southwood Apartments**

Client: Trammell Crow Residential – Provided construction stakeout services for a 34-acre apartment complex located in Tallahassee, Florida. (Currently under construction.)

- **Governor's Crossing Publix Shopping Center**

Client: Crowder Excavating – Provided construction stakeout services for a 6-acre shopping center located in Tallahassee, Florida. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Hampton Creek Subdivision**

Client: Linderand – Provided construction stakeout services for a 46-acre residential subdivision located in Leon County, Florida per City of Tallahassee and Leon County specifications.

- **McDonald's**

Client: Adams Engineering – Provided construction stakeout services for a new McDonald's restaurant located in Leon County, Florida. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.



Thomas C. O'Steen R.L.A.

Urban and Regional Planner Landscape Architect

Years Experience: 28

With Current Firm: 11

Education:

Florida State University,
M.S. Urban and Regional
Planning, 1988
University of Florida, B.S.
Landscape Architecture,
1982

**Professional
Registrations:**

State of Florida,
Landscape Architect, #
0000981

State of Alabama,
Landscape Architect,
#638

State of Georgia,
Landscape Architect,
#1512

**Professional
Organizations:**

American Society of
Landscape Architects;
Urban Land Institute

General Qualifications

Mr. O'Steen is an urban and regional planner as well as a registered landscape architect. Mr. O'Steen has nearly 30 years of experience in the areas of site planning, landscape architecture and urban planning. His many varied projects include property analysis, local permitting, and land-use planning. His special areas of interest include growth management and urban planning issues. He has served as Growth Management Consultant for the Tallahassee Chamber of Commerce directing the Growth Management and Governmental Affairs committee work on related land development issues.

Mr. O'Steen has extensive experience in overall Project Management, Comprehensive Plan Amendments, Master Planning, Planned Unit Development (PUD), Site Planning and Design, Environmental Permitting, Construction Administration, Plan Compliance & Local Government Coordination.

Areas of Expertise:

- Urban and Regional Planning
- Master Planning
- Comprehensive Plan Amendment
- Project Management
- Landscape Architecture
- Contract Administration

Representative Projects:

Regional Center Office Park

Client: Parrish Group - Prepared rezoning applications, and performed Master Planning of a 32 acre Office Park / +/- 280,000 gsf of office space. Prepared conceptual plans, construction documents and permit applications to construct the individual projects within this development.

Fallschase

Client: AIG Baker - Prepared documentation for the Development of Regional Impact Notice of Proposed Change (DRI-NOPC). Prepared Fallschase Development Review Process Manual and prepared exhibits for multiple Public Hearings. Prepared the Planned Unit Development application in 2006 to allow current development of +/- 700,000 gsf of commercial space and +/- 1,500 residential units.

Tallahassee Memorial Healthcare

Client: Southeast Community Health Services, Inc. - Work for this project included the coordination with the City of Tallahassee for the land planning for medical office development east of Goodwood Plantation, preparation of a Planned Unit Development and assistance in development of a 163 Agreement. Creation of a set of design guidelines to address the planned medical campus expansion and the integration of the proposed medical office lands, extension of

Surgeons Drive, and remote employee parking lot. These projects all include permitting with the City of Tallahassee through the Site Plan Review and Environmental Management Permitting process.

State of Florida, University System Master Plan

Client: Florida State University -Primary contact for Florida State University with regard to Master Planning Worked frequently with the university system to *prepare site analysis, permitting investigation and conceptual site plans for the 200,000 square feet Florida National High Magnetic Field Laboratory, the nations' only center for research in high magnetic field technologies.* In addition, served as project manager for the site development plan and produced the landscape plans for the facility incorporating the previous site work with the proposed improvements. Other university system projects have included the Florida State University stadium expansion and Academic/University Center.

Smith Property - Governors Crossing

Client: Smith Interest General Partnership - Planning, design and permitting of 25 +/- acre development of the four corners intersecting at Park Avenue and Blair Stone Road. Preparation of work for Amendment to the 163 Amendment.

Smith Property - Governors Marketplace -

Client: Smith Interest General Partnership - Development of the Exhibits for a 163 Agreement with the City of Tallahassee to develop a 30 acre parcel between Park Avenue and Governors Square Boulevard. Performed planning, design and permitting of +/- 320,000 gsf retail commercial shopping center.

Gateway Beautification, City of Tallahassee (Leon County) - (individual experience)

Client: City of Tallahassee - Led a joint venture design team for landscape enhancement of twelve major transportation corridors leading to downtown Tallahassee. The project included signage, irrigation, and planting intervals which would meet Florida Department of Transportation requirements, while providing a coherent image inviting travelers to the Capitol complex.

Gaines Street Revitalization (individual experience)

Client: City of Tallahassee - Acted as liaison between Florida State University for the City of Tallahassee for development of streetscape, and pedestrian improvements along Gaines Street - the southern boundary of the FSU Campus. Also provided design direction for pedestrian improvements along the corridor to incorporate road crossings, parking / street interface / campus entrance design.

Adams Street Pedestrian Improvements -(individual experience)

Client: City of Tallahassee - Served as Project Manager for development of streetscape improvements in downtown Tallahassee for Adams Street Common. The design for this corridor - directly north of the State Capitol, provided hardscape design for sidewalks and street pavement to continue vehicular traffic while incorporating design elements of pavers, landscape materials and street furnishings for this area that is commonly used for city street celebrations.

Chipola River Corridor Study – (individual experience)

Client: Jackson Counties - Prepared a conceptual land use plan for a privately held +/- 6,000-acre parcel along the Chipola River in Jackson and Calhoun counties. A further phase one preliminary subdivision plan was prepared for the northern 300 acres and included institutional, recreational and residential properties.

Miccosukee Road – Phase I – (individual experience)

Client: Leon County Public Works - Served as project landscape architect for the widening of Miccosukee Road from Capital Circle to Teal Lane – approximately one mile of road. Duties included the production of conceptual design, coordination with County engineering staff on tree protection / removal and permitting with the City of Tallahassee.

Blair Stone Road – (individual experience)

Client: City of Tallahassee Public Works - Served as project landscape architect for Blair Stone Road, legs 2, 3 & 4. Prepared conceptual plans and construction drawings as well as coordinated plant materials and hardscape improvements, including sound walls to screen adjacent neighborhoods. Also, prepared a project Visual Design Guidelines document with RPA Group for the Blair Stone Corridor.

Community Service:

Tallahassee Area Chamber of Commerce

Blueprint 2000 Citizens Advisory Committee, Vice-Chairman 2007-2008

Economic and Environmental Consensus Committee

State of Florida

Department of State

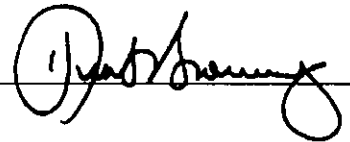
I certify from the records of this office that MOORE BASS CONSULTING, INC. is a corporation organized under the laws of the State of Florida, filed on August 1, 1991.

The document number of this corporation is S70049.

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

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

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



Secretary of State



Authentication ID: 000197412550-031011-S70049

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

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

Licensee Details

Licensee Information

Name: **Moore Bass Consulting, Inc. (Primary Name)**
(DBA Name)
Main Address: **805 North Gadsden Street**
TALLAHASSEE Florida 32303
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Certificate of Authorization**
Rank: **Cert of Auth**
License Number: **6108**
Status: **Current,Active**
Licensure Date: **09/19/1991**
Expires: **02/28/2013**
Special Qualifications **Qualification Effective**

[View Related License Information](#)

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

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Licensee Details

Licensee Information

Name: **MOORE, RICHARD ALAN** (Primary Name)
(DBA Name)
Main Address: **MOORE BASS CONSULTING, INC.**
805 N. GADSDEN ST.
TALLAHASSEE Florida 323030000
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **38745**
Status: **Current,Active**
Licensure Date: **08/10/1987**
Expires: **02/28/2013**

Special Qualifications **Qualification Effective**

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[View License Complaint](#)

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

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State of Florida

Board of Professional Engineers

Karen Krapp Bass, P.E.



IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION: 2/28/2013 P.E. LIC. NO:
AUDIT NO: 228201318512 31902

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# 109093001795

DATE	BATCH NUMBER	LICENSE NBR
09/30/2009	098063127	LC0000310

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

MOORE BASS CONSULTING INC
805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

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MOORE BASS CONSULTING INC
805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY



Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: LB7245
Expiration Date February 28, 2013

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

MOORE BASS CONSULTING INC
805 N GADSDEN STREET
TALLAHASSEE, FL 32303

A handwritten signature in black ink, appearing to read "Adam H. Putnam".

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS5254**

Expiration Date: February 28, 2013

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

LARRY D. DAVIS
805 NORTH GADSDEN STREET
TALLAHASSEE, FL 32303

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



**Roadway Design
EGS SF 330**

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Environmental and Geotechnical Specialists, Inc.				3. YEAR ESTABLISHED 1992	4. DUNS NUMBER 79-285-9191
2b. STREET 104 N. Magnolia Drive				5. OWNERSHIP	
2c. CITY Tallahassee		2d. STATE FL	2e. ZIP CODE 32301	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Judith M. Hayden, P.E., President				b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (850) 386-1253		6c. E-MAIL ADDRESS Judy.Hayden@EGS-US.com			
8a. FORMER FIRM NAME(S) (if any)				8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number <small>(see below)</small>
		(1) FIRM	(2) BRANCH			
27	Geotechnical Engineer	10		S 05	Soils & Geologic Studies	5
23	Environmental Engineer	3		T 03	Transportation Engineering	5
07	Biologist	1		E 01	Environmental Investigations	2
08	Civil Engineer Technician	6				
58	Laboratory Technician	6				
58	Field Technician	8				
Total		34				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million
c. Total Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million	10. \$50 million or greater		

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE: 	b. DATE March 10, 2011
c. NAME AND TITLE Judith M. Hayden, P.E., President	

EGS

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Thomas H. Hayden, P.E. Geotechnical Engineering

Professional Credentials:

Bachelor of Science, Civil Engineering, University of South Florida, 2003

Professional Engineer in Florida

Professional Organizations:

American Society of Civil Engineers – 2008 President Tallahassee Chapter – 2008-2010 FAMU/FSU College of Engineering Student Chapter Liaison – 2009 Young Engineer of the Year

Florida Engineering Society – 2008-2009 K-12 Education Committee - 2006-2008 Math Counts Committee – 2009 Florida Engineering Leadership Institute Graduate

Geotechnical Materials Engineers Council

Special Qualifications:

- Over 10 years of Geotechnical design and investigation experience, including roadway studies, stormwater design, pavement design, and materials engineering
- Familiarity of FDOT Geotechnical Standards
- CTQP/ACI Certifications: Aggregate Field and Laboratory Testing Technician, Asphalt Plant Technician – Levels I and II, Field Sampler Technician, LBR Technician, Concrete Field Technician – Levels I and II, Concrete Laboratory Technician – Level 1, Quality Control Manager, Concrete Transportation Construction Inspection, Advanced Maintenance of Traffic Inspector and FDEP Erosion Control Inspector

Years Experience with EGS: 7; Years experience with other firms: 3

Relevant Experience:

GPI Southeast, Inc., Proposed Longleaf Development, Stormwater Treatment Facilities, Wakulla County, FL – Performed subsurface investigation of the proposed Longleaf Development. Provided client with subsurface conditions, encountered groundwater and estimated “normal” seasonal high groundwater, design infiltration rates, and anticipated construction considerations.

Carollo Engineers, Lake Bradford Road Wastewater Treatment Facility, Tallahassee, FL – Performed subsurface investigation of the proposed roadway and parking improvements at the Lake Bradford Wastewater Treatment Facility. Provided the client with design and reuse recommendations for each material STRATA encountered throughout project.

Florida Department of Transportation, District 3, SR 97 Pavement Core and Condition Survey, Escambia County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 97 in Escambia County, Florida. Provided the District with the types of pavement failure encountered, anticipated construction considerations, and design recommendations.

Florida Department of Transportation District 3, SR 61 Pavement Condition Survey and Design, Leon County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 61 (North Monroe Street) at the proposed Lake Jackson Eco-Passage. Provided the client with compaction characteristics of the existing embankment material as well as design recommendations for the proposed pavement.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Geotechnical Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 19

Years Experience with Other Firms: 18

Relevant Experience

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

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

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

Relevant Experience, cont.

SR 95 (US29/Pensacola Blvd) From SR 8 (I-10) to 0.5 Miles North of SR 10 (US 98), FDOT District 3, Escambia County, FL (FDOT FPN 2186031-1-32-01) – The projects consisted of conducting the geotechnical studies for the roadway widening of SR 95 from 4 lanes to 6 lanes. The investigation included the analysis of subsoils for lane additions, culvert installations, storm sewer installation, mast arm signalization and retaining wall installation. Also included was the Geotechnical investigation for bridge widening, MSE walls, and the slope stability analysis of embankment areas.

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

SR 202 Reconstruction from West of Kernan Blvd. to San Pablo Road, FDOT District 2, Duval County, FL (FDOT FPN 209733-4-52-01) - Conducted the geotechnical investigation for the widening of SR 202 from 4 to 6 lanes in Duval County, Florida. The geotechnical studies included roadway reconstruction, pavement design, bridge widening, culvert extensions and stormwater ponds. Duties included conducting a reverse engineering study to determine the type, loads and depths of foundations for an overpass bridge on I-95 where there were no bridge plans and construction records available.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E. Environmental Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

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

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

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

Judith M. Hayden, P.E.

Relevant Experience, cont.


Rum Road over Parrot Creek Bridge Replacement, Holmes County, FDOT District 3 – Served as project manager for environmental permitting for the replacement of the one-lane bridge on Rum Road with a two-lane structure on a new alignment. Prepared and obtained the environmental permits required by the Florida Department of Environmental Protection and the US Army Corps of Engineers for the bridge replacement. The project was on an emergency accelerated schedule due to the bridge failure as a result of storm damage.

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




This certifies that
**ENVIRONMENTAL AND GEOTECHNICAL
SPECIALTIES, INCORPORATED**
is recognized as a
Minority/Women-Owned Business Enterprise
under the
**City of Tallahassee and Leon County
Consortium Interlocal Agreement**

For a period of one (1) year beginning:
May 18, 2010 to May 31, 2011



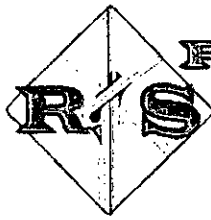
MBE Administrator



Certification Specialist



Roadway Design
Registe, Sliger Engineering, Inc. SF 330



Registe, Sliger Engineering, Inc.

CIVIL, STRUCTURAL, AND WATER RESOURCES

1427 North Bronough St. Tallahassee, FL 32303

PHONE: (850) 894-4521 - FAX: (850) 224-0505

Jacques Registe, PE

Senior Structural Engineer, President

Mr. Registe is a civil engineer for Registe, Sliger Engineering, Inc. with more than 24 years of experience in both the general civil and structural engineering fields including roadway and bridge design, drainage design and permitting. Mr. Registe's engineering experience includes the preparation of design and permit documentation for many projects throughout the State of Florida. His professional experience has been acquired through multiple project responsibilities involving comprehensive analysis, engineering and design tasks for both roadway and bridge projects. His years of experience have been almost exclusively in the State of Florida where Mr. Registe enjoys an exemplary reputation for quality and on-time work.

Mr. Registe is responsible for the design, plans production and preparation of construction documents for all highway and bridge design projects at Registe, Sliger Engineering. He coordinates engineering tasks with his design staff adhering to schedules and budgets established for each project.

Education: M.S. Civil Engineering, 1989
FAMU/FSU, Tallahassee, Florida
B.S., Civil Engineering, 1985
FAMU/FSU, Tallahassee, Florida

Registrations: Florida PE #43397
Georgia PE #27712

Detailed Project Experience

Florida's Turnpike Widening (Boca Raton Interchange to Atlantic Blvd), Florida – Project Highway and Bridge Engineer for this project which involved the design of 5.3 miles of Turnpike widening from 4 to 6 lanes including redesign of the Boca Raton Interchange, a 35 year old interchange, to current design standards. A new bridge was designed at the interchange to span the widened Turnpike. The project also called for a new bridge design at Clint Moore Road, which required a special designed temporary bridge and widening of two additional structures to carry the extended Turnpike roadway.

Bridge Replacement Projects, Group 09-3, FDOT, Florida – Project Manager for both the new bridge replacement tasks required for the projects in Group 09-3. Work includes the preparation of Typical Section Packages, Drainage and Bridge Hydraulics Reports, roadway and bridge design and plans preparation, utility relocation plans and the development MOT.

CR 269 over the CSX Railroad, Chattahoochee, FDOT, Florida – Project Engineer for both the 3,000 feet of new roadway on a new alignment and a bridge over the CSX Railroad in Chattahoochee, Florida. Responsible for roadway geometry design and plans preparation, design of an enclosed drainage system, retention pond designs, utility relocation plans and maintenance of traffic plans preparation. Additional tasks include assisting the FDOT with permit application requirements and review of the bridge plans over the CSX Railroad.

SR 60 Bridge Replacements, Osceola County, Florida – Served as Project Engineer for the roadway and bridge engineering tasks on the project. Work included roadway reconstruction of 500m to both ends of the two new bridges being designed under this contract. Mr. Registe was responsible for all design and plans preparation for the project.

SR 4 Bridge Replacement over Escambia River, FDOT, Florida – Provided preliminary and final design calculations and was responsible for the development of construction plans for this bridge replacement project. Produced and/or checked the designs and details of all the structural elements and prepared the computer program input and analyzed the output for geometry, grades, foundations and girder programs. Also generated the final detailed contract plans and material estimates.

Professional Affiliations

American Society of Civil Engineers
American Society of Highway Engineers

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
8

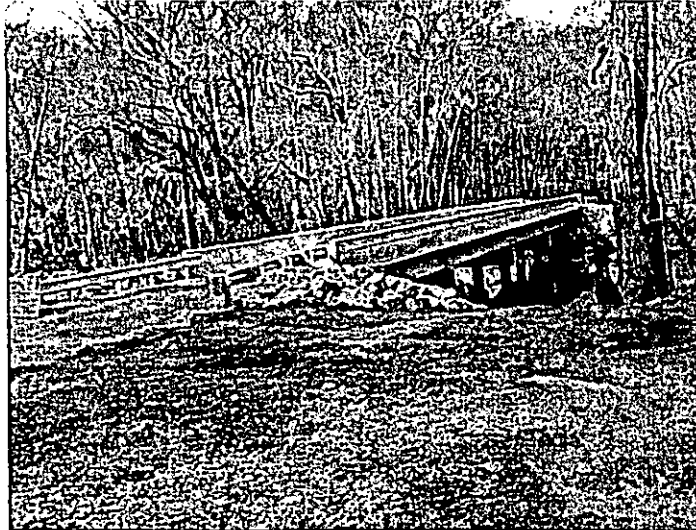
21. TITLE AND LOCATION (City and State) Florida River Island Bridge Liberty County, Florida	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2008

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER N.W. FL. Water Management District	b. POINT OF CONTACT NAME Bill Cleckley, NFWMD, Havana, Fl	c. POINT OF CONTACT TELEPHONE NUMBER 850-539-5999
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Project involved designing a 165 ft bridge over the Florida River Island. RSE also provided CE&I for the project. Jacques was the engineer of record for the structure.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Registe, Sliger Engr.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
 10

21. TITLE AND LOCATION <i>(City and State)</i> Sand Hill Lakes Mitigation Bank Bridge and Culvert Design	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(if applicable)</i> 2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Northwest Florida Water Management District (NFWMD)	b. POINT OF CONTACT NAME Bill Cleckley	c. POINT OF CONTACT TELEPHONE NUMBER 850-539-5999
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*
 Project involved designing 3 low water crossing bridges and 2 box culverts. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

3

21. TITLE AND LOCATION *(City and State)*

Meginnis Culvert and Headwall Design

22. YEARS COMPLETED

PROFESSIONAL SERVICES

2007

CONSTRUCTION *(if applicable)*

2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Tallahassee

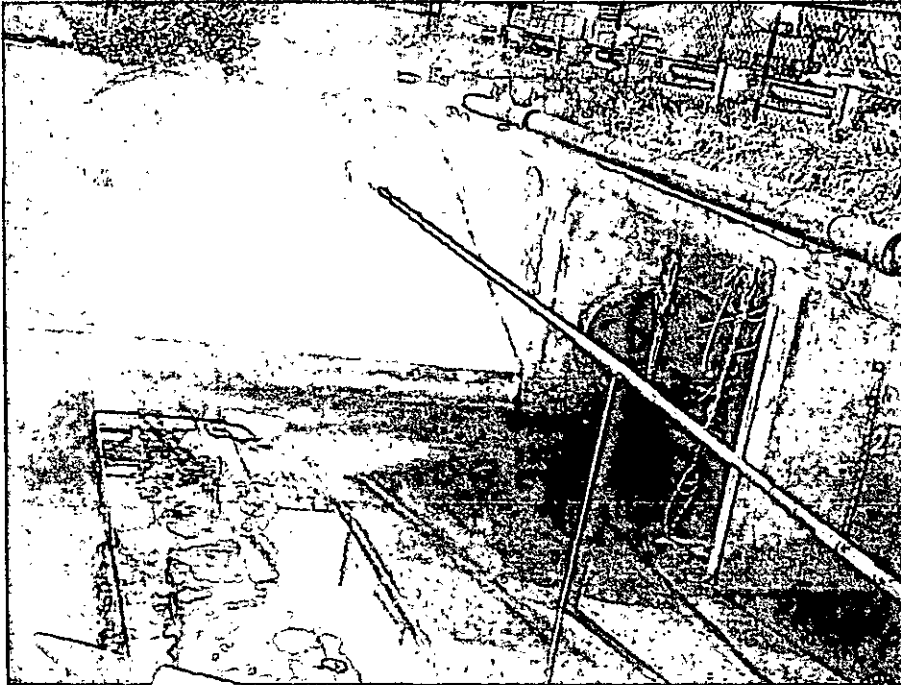
b. POINT OF CONTACT NAME

Bob Mosher, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

850-891-6860

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and cost)*



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

7

21. TITLE AND LOCATION (City and State)

Ravine Gardens State Park, Palatka, Florida

22. YEARS COMPLETED

PROFESSIONAL SERVICES
2005

CONSTRUCTION (If applicable)
2005

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

FL. DEP Parks and Recreation Services

b. POINT OF CONTACT NAME

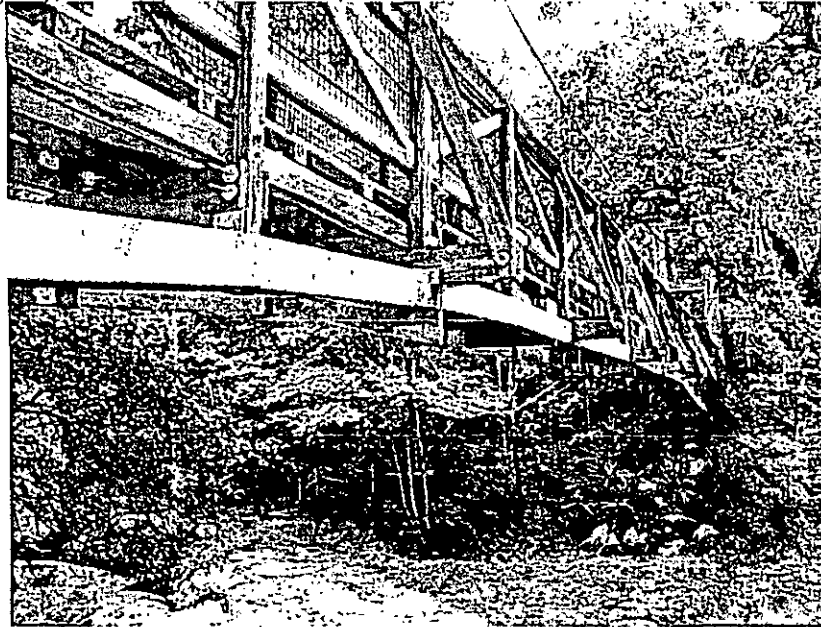
Chick Savering

c. POINT OF CONTACT TELEPHONE NUMBER

850-488-5372

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Project involved designing a 100 ft pedestrian suspension bridge. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			
f.			



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Roadway Design
Experience with Projects
of a Similar Type and Size**

SECTION B

B.1 LIST OF PROJECTS IN WORK CATEGORY ILLUSTRATING EXPERIENCE AND CURRENT STAFF ASSIGNMENT.

Roadway Design Projects

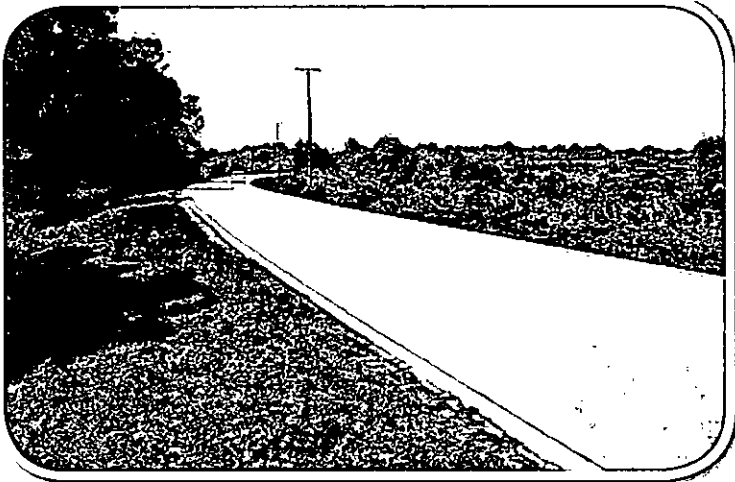
Provided below is a representative listing of projects outlining CSI's experience in the Roadway Design work category. In addition, project summaries are provided in the following pages addressing the specific information requested in this section.

Client	Project Name	Staff Assignment / Project Manager
Highlands County Board of County Commissioners	CR 623 PD&E Study	Ron Cauthan, PE
City of Bartow	Old Bartow-Eagle Lake Road	Ron Cauthan, PE
Polk County Board of County Commissioners	Road Widening & Relocation/Harden & Pipkin Roads	Ron Cauthan, PE
Highlands County Board of County Commissioners	Sebring Parkway	Ron Cauthan, PE
City of Lakeland	Main Street Re-Alignment	Ken Thiele, PE
Holmes County Board of County Commissioners	Rum Road Improvements	Ron Cauthan, PE / Robin Losh

CR 623 PD&E STUDY

Sebring, FL

Professional Services:	Planning & Preliminary Design Services
Project Scope:	Preliminary Design and Environmental Study
Project Owner:	Highlands County Board of County Commissioners P.O. Box 1926, Sebring, FL 33871
Project Manager:	Ron Cauthan, PE
Point of Contact:	Ramon Gavarrete, PE 863.402.6875
Year Completed:	Construction: 2006 Professional Services: 2006
Professional Fee:	\$160,000
Construction Cost:	\$2.3 million
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



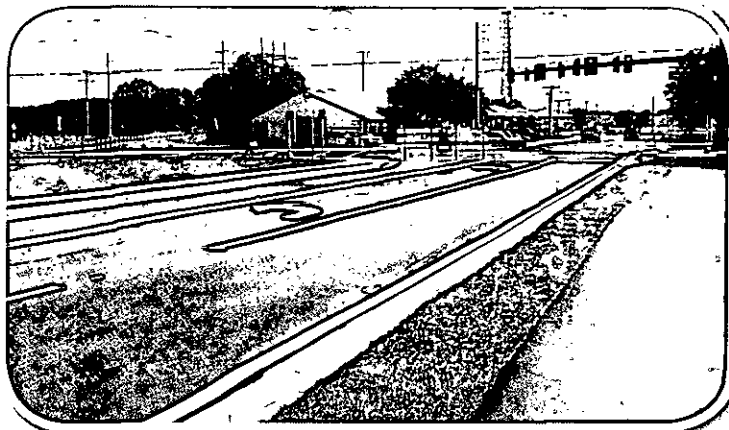
BRIEF DESCRIPTION

In 2004, Chastain-Skillman was retained by the Highlands County Board of County Commissioners to perform a Preliminary Design and Environmental (PD&E) Report for widening C.R. 623 from two lanes to a divided four lane highway between the City of Sebring and the Sebring Regional Airport. The PD&E Study was completed near the end of 2005. As a part of this project, Preliminary Design plans for the roadway were completed in 2006. Since the project includes wetland impacts, wetland mitigation will be necessary in the final design. Final design and permitting for this project has been delayed due to financial constraints. This project has been complicated by the fact that it lies in two Water Management Districts.

OLD BARTOW-EAGLE LAKE ROAD

Bartow, FL

Professional Services:	Civil site design, permitting, stormwater design, and land surveying
Project Scope:	This project included drainage improvements on Park Street, construction of a 3-Lane section on Old Bartow/Eagle Lake Road and intersection improvements at Wilson Avenue, including signalization
Project Owner:	City of Bartow 450 North Wilson Avenue, Bartow, FL 33830.
Project Manager:	Ron Cauthan, PE
Point of Contact:	Mr. Bill Pickard, Public Works Director 863.534.0100
Year Completed:	Construction: 2008w Professional Services: 2007
Professional Fee:	\$160,000
Construction Cost:	\$1,900,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Civil



BRIEF DESCRIPTION

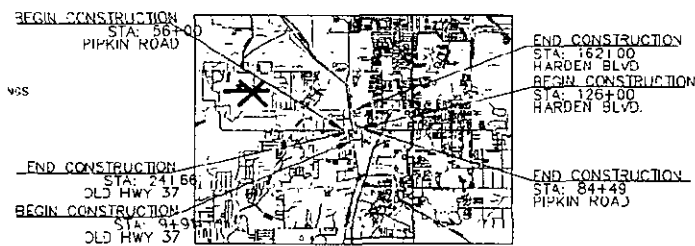
Chastain-Skillman, Inc. (CSI) provided engineering design, permitting, drainage, land surveying and sitework design for a new connector road between Old Bartow Eagle Lake Road and Bartow Memorial Hospital. This road of approximately mile provides easy access to the hospital from the east side of town, without the need for emergency vehicles to travel onto HWY 98 to deliver patients to the hospital.

Included in the design was complete new signalization of the intersection with Old Bartow Eagle Lake Road, which also required consideration for the intersection of both roads by the Fort Fraser Rails to Trails recreational path.

ROAD WIDENING & RELOCATION

Harden & Pipkin Roads | Lakeland, FL

Professional Services:	Engineering, survey, roadway design alternatives, stormwater management facilities, wetland mitigation, floodplain evaluation, permit requirements, and cost estimates for construction
Project Scope:	Widening of 2.19 miles of roadway and a major intersection improvement
Project Owner:	Polk County Board of County Commissioners 330 West Church Street, Bartow, FL 33830-3760
Project Manager:	Ron Cauthan, PE
Point of Contact:	Patti Brock 863.534.6443
Year Completed:	Construction: 2010 Professional Services: 2008
Professional Fee:	\$1,050,000 (All Phases)
Construction Cost:	\$7,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



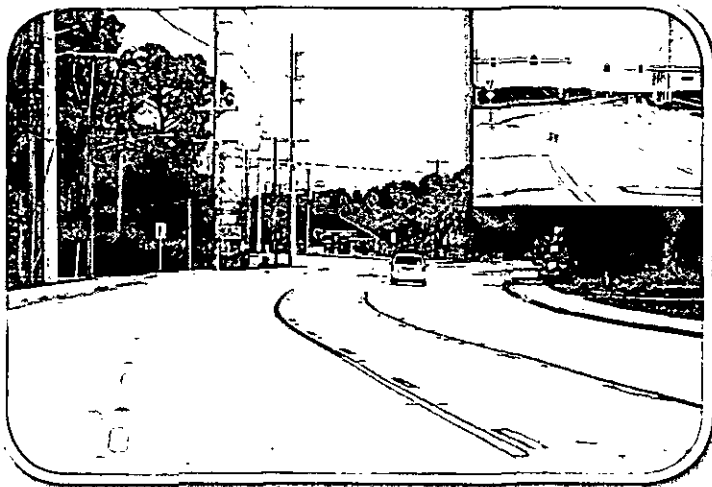
BRIEF DESCRIPTION

The project limits cover a total of 2.19 miles of road widening and a major intersection improvement in a highly developed area. Chastain-Skillman, Inc. (CSI) was retained to provide engineering, survey, roadway design alternatives, stormwater management facilities, wetland mitigation, floodplain evaluation, permit requirements, and cost estimates for construction, etc. As of January, 2008 the project design was 100% complete with ROW acquisition under way. ERP permit is also under SWFMWD review. The stormwater management facilities consist of major and minor stormwater conveyance systems, one existing detention pond retrofit, and three additional detention/retention ponds.

SEBRING PARKWAY

Sebring, FL

Professional Services:	Civil Engineering including stormwater modeling and preparing permit applications.
Project Scope:	CSI worked with Highlands County as the County prepared the plan and profiles for the roadway construction. CSI prepared the signal plans for six interections, designed the drainage retention system and performed all drainage calculations and prepared the SWFWMD Environmental Resource Permit Applications.
Project Owner:	Highlands County Board of County Commissioners P.O. Box 1926, Sebring, FL 33871
Project Manager:	Ron Cauthan, PE
Point of Contact:	Ramon Gavarrete, County Engineer 863.386.6517
Year Completed:	Construction: 2002-2009 Professional Services: 2001 & 2008
Professional Fee:	\$375,000
Construction Cost:	\$10,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Civil



BRIEF DESCRIPTION

Phase I: In the fall of 2001, Chastain-Skillman, Inc. (CSI) completed the design for the widening of approximately one mile of Fairmount Drive from a two-lane local road to a five-lane major collector road with sidewalks. This roadway segment was renamed and became the final connecting segment of the Sebring Parkway, Phase One, to U.S. 27. This project included roadway design, maintenance of traffic design, stormwater design, wetlands permitting and stormwater permitting. The project went to construction in the spring of 2002 and was completed by the end of 2002. The construction cost was \$500,000.

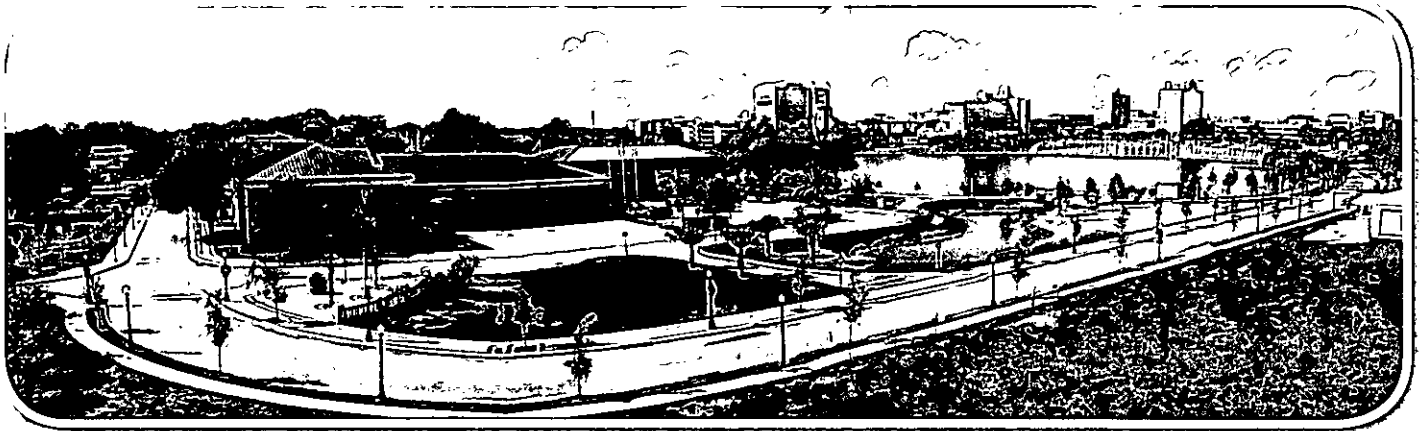
Phase II: Additionally, in 2008 CSI prepared the design of the highway lighting, signalization design for six intersections, and the design and permitting for six stormwater retention ponds along the two mile route for this project. We also prepared Utility Relocation Plans for the City of Sebring's water mains within the right-of-way. In the process, CSI performed survey services, provided aerial photography, performed various Phase One Environmental Site Assessments and obtained certain geotechnical information. The final cost for this phase of the project is expected to be approximately ten million dollars.

Approximately one-half of Phase II has been completed. As of 2010, budget constraints and right-of-way acquisition have delayed the remainder of the project.

MAIN STREET RE-ALIGNMENT

Lake Mirror | Lakeland, FL

Professional Services:	Civil design, utility design, land surveying, permitting
Project Scope:	Civil site design, stormwater management, utility relocation, permitting, and land surveying to relocate 1.4 miles of a highly traveled city roadway
Project Owner:	City of Lakeland 228 South Massachusetts Avenue, Lakeland, FL 33801
Project Manager:	Ken Thiele, PE
Point of Contact:	Richard Lilyquist 863.834.6035
Year Completed:	Construction: 2007 Professional Services: 2007
Professional Fee:	\$516,000
Construction Cost:	\$4.58 million
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Civil Design



BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) provided engineering design services for the re-alignment of Main Street on the north side of Lake Mirror. This re-alignment moved the street to the north, creating room for the completion of a new park section and the final leg of the promenade, which now completely encircles Lake Mirror. The City's Public Works and Parks & Recreation Departments had oversight responsibilities. Additional related projects which will be completed in a domino effect, are the In-Town Bypass Park & Ride Lot, and the Massachusetts Avenue Streetscape. These projects were combined by the City into one construction contract in order to achieve greater cost efficiency.

A new stormwater system was also constructed to improve the water quality of Lake Mirror, as stormwater runoff was discharging directly into the lake. The re-alignment project included closing Main Street between Massachusetts Avenue and Iowa Avenue and between Mirror Street and Lake Avenue. Parallel parking spaces were added along the north side of Lake Mirror. Streetscaping, historic lighting, and the construction of Main Street from Massachusetts Avenue to Lake Parker Avenue are all part of the total project package. The final promenade construction along Main Street connects several existing parks encircling the lake, making it the crown jewel of the City's already amazing park system.

RUM ROAD IMPROVEMENTS

Holmes County, FL

Professional Services:	Road & Drainage Improvements
Project Scope:	Road, Culvert, Conveyance, and Drainage improvements for 3.3 miles of unimproved road
Project Owner:	Holmes County Board of County Commissioners 201 N. Oklahoma Street, Tallahassee, FL, 32425
Project Manager:	Ron Cauthan, PE; Robin Losh
Point of Contact:	Commissioner Monty Merchant 850.547.1119
Year Completed:	2008
Professional Fee:	\$110,000
Construction Cost:	\$980,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

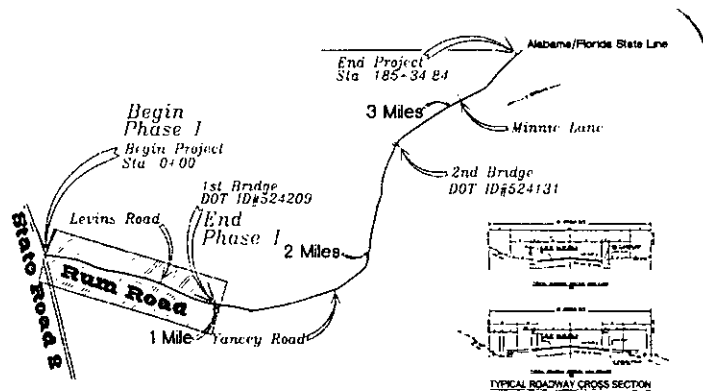
BRIEF DESCRIPTION

In rural north Holmes County, an existing stabilized unpaved roadway with varying widths, no appreciable shoulders, and bare earth side ditches with steep side slopes was frequently traveled. The Holmes County Board of Commissioners wished to improve the roadway and associated stormwater conveyances to the extent made possible through the funds made available by the State of Florida, Department of Community Affairs Grant. (CDBG) The two Phases of the project have included coordination of survey and geotechnical evaluations of the roadway segments, preparation of road construction plans, preparation of all bid documents, environmental permitting with the Army Corps of Engineers

and Florida Department of Environmental Protection, and performing construction observations during road construction.

All of these tasks were performed and coordinated by Chastain-Skillman, Inc. under the guidelines and constraints typical of a Florida CDBG grant. To improve stormwater drainage, the Rum Road Improvements Project was implemented by constructing swales near an existing unnamed creek with higher longitudinal slopes that was paved with concrete. Discharge points at that creek were armored with large stone rubble that remained in place, undisturbed. In areas of very high longitudinal slope and deep cuts in the existing roadway, the road was curbed and discharged through curb inlets and a storm piping network in lieu of the side swale conveyances.

Existing corrugated metal pipe cross drains were replaced with reinforced concrete pipe with appropriate mitered end treatments or ditch bottom inlets. Where required, channels at pipe discharges were armored with broken concrete rubble and geotextile underlayment. The end result have reduced erosion and sediment in runoff discharge waters leaving the site and reduced drainage problem issues that citizens along the road were previously forced to deal with after heavy rain events.



B.2 NAMES AND DESCRIPTIONS OF APPLICABLE PROJECTS PRESENTLY UNDER CONTRACT DEMONSTRATING CAPABILITIES AND QUALIFICATIONS FOR WORK CATEGORY.

Roadway Design Projects

Provided below is a representative listing of CSI's current work in the Roadway Design work category.

Client	Project Name	Description of Services
Anderson Lane, Inc.	USF Water Sewer Extensions	Designed and permitted water and sewer extensions to the City of Lakeland utility systems for a new university campus. Coordinated specifications and geometry with the City, capacity with the owner / architect team, and location with the proposed road backbone.
Florida Department of Environmental Protection	Atlantic Ridge State Park	Design and construction of a new park entrance (approximately 4300 feet), equestrian parking for 20 truck/trailer combinations, picnic pavilions and restroom facilities.
Highlands County	Hammock and Lakewood Roads	Intersection signalization and construction of left turn lanes on Hammock Road and Lakewood Road with associated drainage improvements.
Polk County Public Works	Harden Pipkin Widening Project	Major modification at two signalized intersections and improvement of approximately two miles of local roadway from two travel lanes to three. This project also includes significant drainage and utility improvements.
Pulte Home Corporation	Del Webb Orlando Amenity	Design of large amenity site including extension of boulevard section roadway, public utilities, and modification to onsite stormwater management systems.
The Drummond Company	South Village	Planning revision and design support on a substantial deviation to the Oakbridge DRI. Planning efforts will include necessary improvements to transportation and stormwater infrastructure.

B.3 PROCESS AND PROCEDURES FOR MEETING CURRENT DESIGN STANDARDS, CODES, AND REGULATORY REQUIREMENTS.

CSI's Program Manager, Alan Hart, PE, has worked on Leon County projects for the past 15 years and extensively for the past 4 years. He has been involved with the design of projects that utilize all aspects of the Design Standards, Codes and Regulatory Requirements. He has completed permits for Leon County with the following agencies:

- Leon County Growth and Environmental Management (LCGEM)
- Florida Department of Environmental Protection (FDEP)
- Northwest Florida Water Management District (NFWFMD)
- Florida Department of Transportation (FDOT)

Mr. Hart has been submitting permits for clients for most of his career. Mr. Hart has permitted several projects under the new Phase II requirements.

In addition to the Program Manager's local experience, three other CSI engineers/project managers have had design responsibility for projects in the Tallahassee area over the past 5 years. As such, knowledge of and compliance with applicable design standards, codes and regulatory requirements was necessary to permit the projects for our clients.

As part of CSI's internal QA/QC process, each project has an initial kickoff meeting to orient the different team members as to the objectives, schedule and budget of the project. A senior engineer who will not be associated with day-to-day project tasks of the project is assigned as the QA/QC officer. Internal design reviews are scheduled by the QA/QC engineer at 30%, 60% and 90% completion points, along with a final review prior to release of plans for bidding. By being independent of the project development, it is believed that a more effective review can be achieved to meet the issues questioned in this section.

CSI performs projects for clients all over the state. As such, we are accustomed to recognizing and applying regulations for each locality. CSI maintains a comprehensive library (digital and hard copy) of all required standards, codes, rules, directives and specifications that will support the aspects of project design encountered under this Continuing Services Contract. Members of the project design team have access to this library and use it frequently. Plan reviewers utilize this information to conduct detailed calculation checks and constructability reviews.

SECTION B.4 IGNORE PER LEON COUNTY - DUPLICATION OF B.3.

SECTION B.5 BASIC AND SPECIAL RESOURCES AVAILABLE TO FIRM FOR PERFORMANCE OF DUTIES IN WORK CATEGORY.

Chastain-Skillman, Inc. (CSI) is one of the largest south-central Florida headquartered engineering firms. Amongst our Tallahassee, Tampa, Sebring, and Lakeland offices, we employ approximately 70 personnel. Every professional, administrative support person, field construction representative, and drafting person works at their own, fully-dedicated computer station. This includes 10 fully functional CAD stations. We own approximately 15 vehicles for use by field survey crews, field construction representatives and other staff. Field construction representatives have their own mobile computer capabilities, and each survey crew works from individually assigned and company-owned vehicles and surveying equipment. All of our computers, printers, copiers, vehicles, etc. are company-owned. CSI's Florida offices encompass over 50,000 square feet of space.

Our proposed project team is made up of individuals with specialized training in the areas of stormwater design and inspection, roadway and intersection developments, utility design, water and wastewater system design, system modeling, watershed and drainage modeling, utilization of geographical information systems and use of total station and global positioning system survey equipment. Much of the computer software can be utilized and integrated with information from the County tax records and GIS information to assist in identifying Rights-of-Way and easement acquisition, as may be necessary.

Specialty design or modeling software that we routinely use that has applicability to this contract might include:

Program	Manufacturer	Project Use
Groundwater Vistas v. 3.12	Environmental Simulations, Inc.	Pre-/Post-processor for MODFLOW
ICPR v.3.10 (6)	Streamline Technologies, Inc.	Stormwater routing model
Ponds 3.2	Devo Engineering, Inc.	Retention pond recovery analysis
Hydraflow (v.6.066)	Autodesk, Inc.	Storm sewer modeling
StormCAD v. 5.6	Bentley Systems, Inc.	Storm sewer modeling
HEC-1	USACOE/Hydrolic Engineering Ctr.	Flood hydrograph program
HEC-2	USACOE/Hydrolic Engineering Ctr.	Water surface profile (1-dim) GVF
WaterGEMS v.3.0 (5000 pipes)	Bentley Software	Hydraulic network simulation program
WaterCAD v.8i (500 pipes)	Bentley Software	Hydraulic network simulation program
KYPipe - Pipe2000	KYPipe	Hydraulic network simulation program
Surge 2000	KYPipe	Hydraulic transient simulation program
Suretrak Project Manager	Primavera, Inc.	Project scheduling software
AutoTrack v.8.52	Savoy Computerizing Svc., Ltd.	Steered vehicle path computations

Both our GIS and our survey systems are fully integrated with our CAD stations and WaterGEMS hydraulic network simulation software. In addition, we also support links between AutoCAD™ and

KYPIPE and WaterCAD. All of our drafting personnel have been trained specifically in **Autodesk Civil 3D** as well as the legacy **Land Development Desktop** software. We also maintain expertise in **Microstation V**, simplifying interchange with clients utilizing this package.

We have been utilizing the **ArcGIS** system for approximately 15 years. Our GIS staff has been trained by **ESRI-certified training centers** and has worked with several municipal clients to meet their GIS needs. We have found GIS to be invaluable in utilizing information, e.g., soils mapping, from regulatory agencies such as the Water Management Districts. We have also utilized the system extensively on mapping projects and habitat assessment projects. This work has been performed for multiple County agencies, providing database management and calculations for the County's Comprehensive Plan.

It might be of interest to know that CSI has also developed a proprietary software system that has been used by a number of our larger clients to manage asbestos remediation, maintenance and future work programs. This software is an integration of a database and AutoCAD systems to provide historical documentation of facilities plans, survey histories, test results, and areas of potential concern. This allows facilities managers the ability to quickly scan for potential issues when construction or maintenance in an area is to be conducted. To comply with various regulatory mandates, the program also helps to schedule re-inspections and maintenance as well as provide compliance documentation. While it has primarily been used for asbestos tracking, it is flexible enough to be used with most any regulated material that must be likewise tracked.

Within our offices, CSI's network is virtualized using **VMWare** and based on **Microsoft Windows** and **Novell server technologies**. Main Servers are clustered for redundancy (automatic failover) and connected to a **SAN (Storage Area Network)** with a storage capacity of over **4Tb (Terabyte)**. The system is backed up nightly to high speed SDLT tape and external SAN drives. All servers have redundant power supplies and dual UPS (Uninterruptible Power Supplies). All locations have departmental servers and **all locations are inter-connected using full T1 connections or better**, fully secured by use of hardware **Firewalls**. The complete system is monitored on a 24/7 basis with critical errors mailed and/or paged to the IT Manager. Virus protection is implemented at both server and workstation levels and updated on a daily basis. Workstations are upgraded or replaced on a regular basis to ensure that users are operating with current technology; this replacement has typically been in the 25 - 35 percentile per annum.

Additional resources of CSI's network include **VOIP (Voice over IP)** telephone connectivity between offices, additional high-speed laser printer/scanners at all locations, and additional wide format printing capabilities.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Roadway Design
Willingness to Meet Schedule
and Budget Requirements**

SECTION C

C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS.

Schedule Control

Through experience, CSI has determined that there are eight key elements critical to effective schedule control. These are part of CSI's approach to project delivery.

Establishing a Realistic Schedule. While the goal is to complete the project in a timely manner, established schedules must be realistic. All too often firms commit to unrealistic schedules in order to obtain an assignment. That behavior only leads to dissatisfaction on the part of the client, frustration on the part of the project team members, delays while problems are addressed, and unexpected costs. For this reason, CSI will be clear about presenting schedules that are realistically achievable.

Establishing Interim Milestones. With every task assignment, whether performed in-house or by subcontractors, CSI will establish interim milestones that will be used as checkpoints to verify that progress is being made in accordance with the planned time line, and to serve as a basis for verifying that progress is in line with spending. This proactive approach to active management of tasks will facilitate early detection of variances and support the implementation of timely corrective action, if needed.

Regular and Frequent Communication. CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of scheduled milestones to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing delays. Such issues may otherwise go unnoticed until a problem actually develops.

Skill Matching. One of the most fundamental factors in meeting schedule commitments is carefully matching work assignments with the skill level of staff. Staff that lack appropriate experience will generally take longer than expected to complete assignments and may be reluctant to ask for help. It is the responsibility of the CSI Project Manager to properly allocate resources to facilitate the timely achievement of schedule requirements and monitor progress.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay. When an issue is identified, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of schedule compliance through regular progress reporting. If a significant variance is detected, the CSI Project Manager will, upon discovery, promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

With CSI's more than 70 employees located in Florida and backed by our Team members, the CSI Team has ample resources to meet the needs of the County for this project.

Budget Control

CSI uses the following a series of techniques to manage the assigned budget:

Detailed Experience-Based Budgeting. Cost control will be enhanced by detailed budget preparation using a standard template. Experience is used to establish realistic budget amounts for labor and expenses by individual task, providing a detailed schedule for fund allocation when performing the work and serving as the basis for monitoring and evaluating financial performance. By detailing costs by individual task, a mechanism is provided for tracking costs in small increments. In this manner, if spending on a particular task does vary from budget, the overall impact on the project is small and can be more easily corrected.

Regular and Frequent Communication. As described under the section addressing Schedule Control, CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of budgets to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing variances from the planned budget. Such issues may otherwise go unnoticed until a problem actually developed.

Frequent Budget Analysis. Labor and expenses incurred against each project are input into CSI's automated corporate accounting system on a weekly basis. Progress reporting on both budget and schedule can be assessed using PlanTrax, our project management software. This software, in conjunction with our corporate accounting system and staff work assessments, allows the Project Manager to determine the percentage of completion and earned value for the project as often as necessary to closely monitor the budget status and schedule status.

Skill Matching. Assigning appropriate staff to each task is important to budget control, as well as schedule control. Technical capabilities, efficiency, and billing rates all need to be taken into consideration to enable individual tasks to be completed in a technically and economically sound manner that meets schedule requirements.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay, although this may not be possible in all cases. Whether an issue is identified at the potential stage or when there is an actual impact, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential or actual impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of budget compliance on assignments that are being performed on a time and materials basis, and promptly notify the County of any variations from the applicable scope or assumptions that would impact the cost on any assignment. If a significant variance is detected, the CSI Lead Program Manager will upon discovery promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

Corrective Action Procedures

CSI makes considerable effort to manage contracts, projects, and tasks proactively and aggressively to preclude the need for corrective action. The most important aspect of this preventive approach is to emphasize good communication, as breakdowns in the communication process are likely the most common root cause of problems encountered in our industry. Despite these efforts to avoid problems, having a sound plan for corrective actions is necessary. CSI's approach to corrective action is as follows:

Early Detection. Corrective action is most effective when variances from the plan are detected early and corrective actions can be small in magnitude. CSI implements a number of measures to promote early variance detection that include the establishment of interim milestones to be used as checkpoints, preparation of detailed budgets for use in comparing actual to planned spending, weekly financial analyses of projects, and providing forums for promoting effective two-way communication within the project team.

Prompt Action. When a significant variance to the plan is discovered, prompt corrective action is warranted. Otherwise, adverse impacts affecting technical aspects of the project as well as schedule or budget are possible. CSI utilizes experienced personnel who are capable of detecting potential problems, and who possess the knowledge and capability to propose compensating corrective actions. Rapid response is vital to keeping projects on track.

Follow-up and Adjustment. Despite best intentions, corrective actions do not always produce the desired result. This can be due to the presence of more than one root cause for a given situation, or other environmental factors. For this reason, with every corrective action, CSI establishes milestones for checking progress to confirm that the action had the desired effect. This provides the opportunity for timely adjustment to the corrective approach, if needed.

Consultation. Small, routine corrective actions will be made as needed and communicated to Leon County in routine status updates and progress reports. In the event that a significant variance is detected and corrective actions must be equally significant, CSI's Project Manager will seek input from in-house and subcontractor personnel who have relevant expertise, and will consult with the County for concurrence with the approach prior to its implementation. Such interaction will be implemented rapidly to minimize the effects of such variances.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Roadway Design
Effect of Firm's Recent, Current,
and Project Workload**

SECTION D

D.1 NAMES AND DESCRIPTIONS OF PROJECTS CURRENTLY UNDER CONTRACT AND ANTICIPATED COMPLETION DATES.

This section is prepared in order to examine CSI's current and projected workload as it relates to CSI's ability to perform Leon County's work in a timely and effective manner. The table that follows lists the projects which currently have or are projected to have meaningful activity associated with them.

Each project is listed along with the estimated number of man-hours remaining, target completion date and the estimated average man-hours per month required. Although these are average figures and reflect work for departments affected by Leon County work, it should give the reviewers insight into the availability of CSI staff to complete any tasks assigned to us.

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Civil Department - Roadway, Stormwater, Traffic			
City of Lakeland - Southeast Water Booster Upgrade	1460	09/2012	80
Confidential Client - Distribution Center Expansion	310	09/2012	17
Pulte Home Corporation - Del Webb Orlando Amenity Center	230	01/2012	23
The Drummond Company - South Village	310	01/2012	31
USF Polytechnic - Stormwater, Water Main/Sewer Force Main Extensions	480	10/2011	70
Lake Wales Housing Authority - Sunrise Redevelopment	120	06/2011	40
Polk County Public Works - Harden Pipkin Widening Project	75	12/2011	8
FDEP - Atlantic Ridge State Park	75	12/2011	8
Highlands County BOCC - Hammock and Lakewood Roads	115	12/2011	12
Miscellaneous Projects	320	12/2011	40
Subtotal	3375		330

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Environmental Risk/Environmental & Occupational Health & Safety Departments - Environmental Support Services			
Major Super Market Chain (Confidential Client) - Drycleaning Site Rehabilitation	TBD	Ongoing	40
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	60	09/2011	10
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	40	06/2011	20
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	TBD	Ongoing	10
Major Super Market Chain (Confidential Client) - Phase I/II ESA	60	05/2011	30
School District of Hillsborough County			
Aboveground Storage Tank (AST) Release	384	04/2013	16
Greenfleet Remediation	80	06/2011	40
MOC Remediation	180	12/2011	20
Fuel Storage Tank Compliance Monitoring	240	12/2011	24
Continuing Environmental Services	Ongoing	10/2013	300
Pinellas County - Brownfields	160	04/2011	160
Southern Wine and Spirits - Petroleum Site Rehabilitation	144	04/2013	6
The Sembler Company - Solvent Site Rehabilitation	72	04/2012	6
Integrated Metal Products - Petroleum Site Rehabilitation	60	06/2011	30
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Live Oak	120	09/2011	20
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Mulberry	192	04/2013	8
Telogia Power Biomass - Consulting Services	108	12/2011	12
City of Tallahassee			
Technical Specs and Third-Party Observations	50	4/2011	50
Stormwater Sediment Sampling and Beneficial Use	20	3/2011	N/A
Solomon C&D Landfill - Consulting Services	99	12/2011	11
Department of Management Services - Continuing Services	2800	12/2013	80

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Capital City Bank - Phase I/II Continuing Services	250	Ongoing	25
FAMU - Continuing Services	300	Ongoing	30
Subtotal	5419		948
Environmental Department - Utility Engineering			
City of Auburndale Continuing Services	158	10/2011	20
City of Bartow Continuing Services	138	10/2011	17
City of Bartow Headworks Construction	944	10/2011	135
City of Bartow Airbase Sewer Construction	728	10/2011	104
City of Bartow NE Force Main Construction	1324	09/2011	221
Town of Dundee Utility Relocates	50	05/2011	25
City of Frostproof WWTP	1333	03/2012	111
City of Frostproof Continuing Services	141	10/2011	18
City of Lakeland Generators	800	11/2011	100
City of Lake Alfred Facility Plan	374	12/2011	62
Polk County Mann Road Well	400	03/2012	33
Polk County Environmental Monitoring	400	04/2012	29
Tohopekaliga Water Authority	808	12/2012	50
City of Wauchula Well	540	06/2011	135
City of Tarpon Springs Vacuum Sewers	280	07/2012	28
City of Winter Haven WWTP #3	50	06/2011	17
City of Largo GW Study	15	04/2011	15
City of Tallahassee Capital Circle	231	07/2011	77
Subtotal	8714		1197
Total	17511		2502

D.2 FIRM'S ABILITY TO ABSORB PROJECTS RESULTING FROM CONTRACT.

CSI understands that having readily available personnel who have appropriate capabilities and experience to promptly address assigned tasks is essential to our ability to be responsive to the County's needs. Our primary operating philosophy is that in order for us to be successful, we must help our clients to be successful. Thus, we maintain what is by industry standards a high level of excess capacity enabling us to reliably and effectively respond to our clients' short- and long-term needs.

By viewing the table provided in Section D.1, it is possible to gauge the ability of CSI staff to promptly and efficiently respond to any assignments authorized by the County. Projects have been grouped by technical group to give an additional view of the distribution characteristics. As a reference, Environmental Services projects tend to be smaller short-term projects while the engineering projects tend to have a longer project span. While this methodology is an approximation, it provides an indication that sufficient resources are available to meet the County's needs.

Another way of looking at the numbers would be that our current utilization (based on percentage of time our personnel are committed to other ongoing projects) has been running on the order of 60%. Note that this estimate is based upon a 40-hour work week. CSI staff has been accustomed to working a 50 to 60-hour work week as necessary to meet our clients' project needs. This means that we currently have the time available to immediately devote staff to your project.

CSI's current workload is such that we have more than adequate staff and available man-hours to perform the County's planning projects. The individuals specifically chosen for your project team were selected not only for their experience, location, and knowledge, but also because of their immediate availability to the County.

Should workload from the County or other clients increase to a point that existing staff is stretched, CSI has a recruitment program that would be used to bring additional qualified staff on board. In fact, this is what we hope will happen. It is our complete intent to grow the Tallahassee office so as to provide even better service to Leon County. In the meantime, the CSI management system and work ethic is such that we can't envision a situation where we would cause a delay for Leon County in this regard.

We believe you will find CSI to be the ideal size firm to meet the County's needs. CSI is large enough to have the resources to meet the technical demands of the County's projects, yet small enough that the County will always remain a very important client to us. CSI looks forward to the opportunity to demonstrate how effective a professional relationship can be between the County and its engineering consultant. This has been the basis for our success over the past six decades.

In summary, CSI currently has adequate personnel available, both in quantity and quality, to deliver timely projects for Leon County.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Roadway Design
Effect of Project Team Location**

SECTION E

E. EFFECT OF PROJECT TEAM LOCATION.

Dedicated Resources (Tallahassee, Lakeland and Tampa)

It is CSI's intent to provide Leon County with the services described in this RFP from our local Tallahassee Office. Should specific projects require supplemental manpower, specialized technical support or additional administrative assistance, those resources will be provided by the Lakeland and Tampa Offices utilizing the personnel identified in Section A. In any event, project management is scheduled to be conducted from the Tallahassee Office. This will provide timely and knowledgeable response to the County on projects assigned to CSI.

Mr. Alan Hart, PE, will be designated as the Program Manager for the County work. Mr. Hart and Mr. Tom Lewis, PG, our Tallahassee Office Manager, will be responsible for day-to-day operations on all Leon County projects. Both Mr. Hart and Mr. Lewis are located in the CSI Tallahassee Office. CSI anticipates locating the QA/QC review officer assigned to the Leon County contract outside of the Tallahassee office. This would be done to provide an *additional level of independence and objectivity during project review*. Dr. Jim Chastain, PE, MPH, will be CSI's Principal-In-Charge for this contract and has served in this capacity for many years, as well as providing technical oversight on projects and new technologies.

After reviewing this RFP, we can emphatically state that CSI has the manpower, the equipment, the professional expertise...and the *desire...necessary to provide the services envisioned under this RFP*. Additionally, CSI intends to utilize MBWE resources whenever possible as indicated in Section A.

The following is a list of CSI Registered Professionals/Staff in the Tallahassee, Lakeland and Tampa Offices designated to provide Civil Engineering Services for Leon County. Please refer to the project team resumes and organization chart presented herein for the various areas of expertise of each professional and their availability.

Tallahassee, Lakeland and Tampa Offices

- Alan Hart, PE
- Tom Lewis, PG
- Paul Osley, PE, BCEE, CIH, CSP
- Jim Chastain, Jr., PhD, PE, MPH
- Steve McConn, PE
- Ron Cauthan, PE
- Ken Thiele, PE
- Steve Dutch, PE
- David Buyens, PE
- Chris Sipe, PE
- Wendy Contner, PE
- Greg Lassi, PG, MPH
- Charles Browning, PG
- Art Wade, PWS
- Robin Losh
- Danny Stump, CHMM
- 6 Land Survey Crews
- 7 CAD Operators/Designers
- Administrative Staff

We take pride in our ability to deliver our services, as promised, to our clients. As such, CSI does not pursue projects or contracts, no matter how desirable, if we know our resources will not support the client in the manner requested. We have carefully reviewed the Leon County RFP, and are confident that we can deliver the same level of high quality and effective professional consulting services to Leon County as we have for the other Clients referenced in this RFP over the past 60+ years of service.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Roadway Design
Approach to the Project**

SECTION F

F. APPROACH TO THE PROJECT.

Through experience with similar clients, CSI's basic approach will be to act as an extension of the Leon County Design Staff. CSI will work closely with Leon County to clearly define the services required for a quality product (scope), the timeframe that best meets the needs of the County while providing ample time to complete the project successfully (schedule) and allocation of staff at appropriate levels to complete the project in a fiscally responsible way (budget). This holistic project approach will ensure a high quality, constructible project.

Project Design Team

CSI has provided many of these services under contracts with similar clients throughout Florida. These types of contracts include environmental, stormwater management design services, permitting administration and roadway engineering design services. CSI has put together a strong in-house staff (see organization chart) along with sub consultants that will be able to meet the needs of the County for all aspects of design projects. *CSI's Program Manager, Mr. Alan Hart, P.E.*, has been involved with Leon County projects for the past 15 years and has worked extensively with Leon County over the past 4 years. Mr. Hart has an understanding of the County's priorities because he has worked with various Leon County Project Managers on roadway, intersection and drainage projects over that time. He understands the procurement and proposal process and the need for strong communication on projects with the County. He has been involved in the design and permitting process, has strong knowledge of the County's design standards and plans production process and has permitted several projects with the Northwest Florida Water Management District under the new Phase II requirements. Mr. Hart will serve extensively as the liaison to the County and will lead all aspects of projects. Mr. Hart will also serve as the Engineer of Record for all projects. Personally, Mr. Hart has lived in Tallahassee since 1995 and understands the needs of the community. He is firmly committed to serving the community that he loves and considers home.

Management oversight for this contract will be provided by *Dr. Jim Chastain, Jr., P.E., Principal-in-Charge*. Dr. Chastain has a BS in Civil Engineering (honors) and a Master of Engineering from the University of Florida. In addition he has a Master of Public Health and a Ph.D. from the University of South Florida, both focusing on Environmental and Occupational Health. Dr. Chastain is the President of CSI and will be responsible for ensuring the availability of appropriate CSI resources for this project and in conjunction with Mr. Hart will provide technical oversight of the project delivery process. Dr. Chastain has ultimate contractual authority for the firm and has authorized Mr. Hart and Mr. Lewis to speak for the firm in matters related to this contract.

Quality Assurance/Quality Control for this contract will be provided by *Mr. Ron Cauthan, P.E.* Mr. Cauthan has over 35 years of experience in all aspects of Civil Design. Mr. Cauthan's areas of expertise include the following:

- Storm Water Management System Design
- Permitting and Construction Supervision for Streets, Highways
- Parking Area Design

- Water Distribution and Wastewater Collection/Pumping Systems
- Site Planning

Mr. Cauthan will provide complete reviews on major submittals to the clients as well as checking of calculations, review of plans for aesthetics and constructability. He will also conduct internal audits to assure that project files are in working order.

CSI Organizational Structure

CSI generally uses a functional organizational structure for its project structure. Over the years we have found this arrangement to be the most means for us to provide civil engineering services for projects of the magnitude describe in the RFP. This efficiency is obtained through the structure's simplicity and from organizing personnel by specialty.

Key benefits of CSI's project team organization include the following:

Single Point of Contact. CSI's Lead Project Manager, Alan Hart, P.E., located in our Tallahassee office, will serve as the single point of contact with Leon County. Channeling communications through this single point of contact will contribute to effective communication. This begins with a clear definition of the County's design objectives, scope, budget and schedule requirements. This is then reflected in the task authorization and fosters a more collaborative relationship between the County and CSI. A clear understanding of the project objectives and constraints allows the project manager to more efficiently organize the project tasks and assignments.

Clear Definition of Roles, Responsibilities, and Authority. The functional organization provides very clear definition and communication of roles and responsibilities, and also clearly identifies reporting relationships with lines of authority. This clarity enhances productivity because it allows personnel to remain focused on completing their work assignments.

Monthly Reporting. Consistent reporting of project progress, budgets and issues provides the County with a firm understanding of the project status. This allows County staff to more accurately manage the project from their perspective as well as improving communication within the County organization. CSI uses the PlanTrax method to manage the project internally and will readily share that information with the County if so desired.

Local Sub Consultants CSI will utilize local consultants to complete any tasks that lie outside of the abilities of our firm. This will not only provide the presence of local knowledge, it will also keep generated revenue at home. CSI will enlist the services of Environmental and Geotechnical Services, Inc, a WMBE, for all environmental components, Registe, Sliger Engineering Inc., an MBE, for all structural components and Moore Bass Consulting for all surveying, landscape architecture and transportation planning needs. These local firms have worked with Leon County on numerous occasions and have strong local knowledge that will strengthen the project team.

Independent QC Oversight. Although the Lead Project Manager is responsible for the overall quality of work, CSI's project team structure provides internal independent QC oversight to confirm that quality is not compromised in the quest to meet other project objectives in a timely and cost-effective manner. This is an important system of checks and balances necessary to responsibly manage risk and consistently deliver high quality service and work products.

The CSI Team includes in-house and subcontractor offices at several office locations. Efficient coordination among these offices is achieved by on-site meetings as well as utilizing our network facilities and internet conferencing. This enables communications to occur in real time. It also allows reports, design drawings, photo and video images to be shared concurrently...providing the capability to review them at different locations as if sitting side by side.

**ENVIRONMENTAL
SUPPORT
SERVICES**

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LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Environmental Support
Ability of Professional Personnel

SECTION A

SECTION A.1 TOTAL NUMBER OF PROFESSIONALS ASSIGNED TO CATEGORY AND AVAILABILITY TO PROVIDE SERVICE ON SHORT NOTICE.

The following information is provided to demonstrate the number of staff members available to provide the professional services requested. A more detailed description of these individuals, showing our proposed **Team Organization Chart**, resumes including education, certifications, licenses, professional credentials, and experience, is presented in the following pages and are specific to the respective work category. Staff members relevant to this contract include:

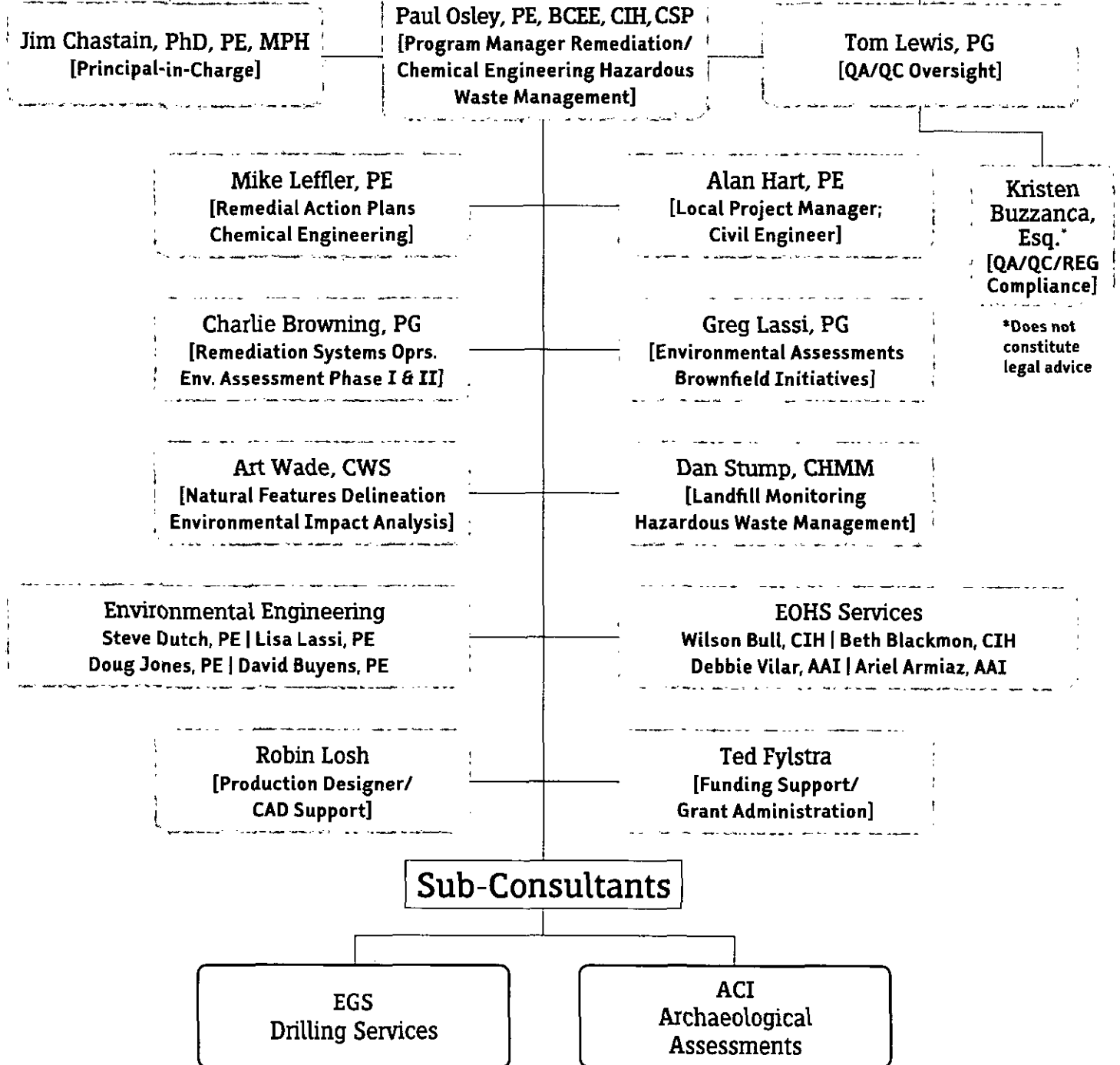
Professional Engineers -	21	Industrial Hygiene Engineer -	1
Professional Geologists -	4	EOHS Specialists -	7
Environmental Scientists -	4	Industrial Hygienists -	3

Of importance to note is that the professional staff mentioned herein who will be working directly on similar County Client projects *combine for over 500 years of service at CSI* performing the specific type of project duties required by Leon County for this contract. Based on current workload, these individuals stand ready to respond to the County's needs to meet both schedule and budget constraints.

ENVIRONMENTAL SUPPORT ORGANIZATIONAL CHART



LEON COUNTY PUBLIC WORKS





James R. Chastain, Jr. PhD, PE, MPH

President

- 40 years with
Chastain Skillman, Inc.

Education:

- University of South Florida
PhD
- University of South Florida
MPH
- University of Florida
ME Environmental Engineering
- University of Florida
BSCE (cum laude)

Other Experience/ Qualifications

- Diplomate/American Academy
of Environmental Engineers
- National Institute of Health/
HSDB Scientific Peer Reviewer

Clients Have Included:

- QA/QC technical reviews
- Data analysis/statistical
analysis
- Water chemistry
- Treatment process design
- Project management

Active Registrations:

- PE/Florida (PE 16277)
- PE/Georgia (PE 12080)

WATER AND WASTEWATER PROCESS DESIGN

Performed master water and wastewater studies including computer simulations for 8 cities/counties and numerous private utilities. Developed proprietary computer program for wastewater process design. Lead designer for bottled water and process water plant design for major grocery distributor, including activated carbon filters, mixed bed deionization, and ozone injection. Design engineer for numerous wastewater treatment facilities up to 4.0 MGD. Design engineer for municipal water treatment plants.

MUNICIPAL AND PUBLIC HEALTH ENGINEERING

Published research on public water system security; provided engineering design for numerous pump station/force main projects for municipal and county clients; developed a wastewater reuse guidance from a public health aspect; interpretation of scientific health studies with application to public water and wastewater systems; Solid waste leachate characterization studies and treatment systems.

CIVIL ENGINEERING

Design oversight and QA/QC tasks for company stormwater and utility designs. Principal in charge of over 50 civil engineering design projects including a 1400 multi-use Development of Regional Impact (DRI) with associated sub-projects.

REGULATORY AGENCY LIAISON

Associated with over 400 system permit applications; assisted clients in resolution of difficult permit situations including representation before state environmental agencies and the EPA/Atlanta as well as Administrative law proceedings

FEASIBILITY STUDIES

Associated with over 100 feasibility studies or facility plans. These plans have included evaluation of alternative engineering designs, net present value/ROI or other economic considerations, institutional feasibility, permit mapping, funding alternatives, and public participation; Principal in charge for over \$50M in grant or subsidized loan funding activities.

RISK ASSESSMENT AND WATER CHEMISTRY

Scientific Peer Reviewer for National Institute of Health/National Library of Medicine Hazardous Substances Databank (HSDB); more than 50 Groundwater contamination assessment and treatment studies; oversee corporate initiatives into evaluation and implementation of new technologies.



Paul L. Osley, PE, CIH, CSP

Principal-in-Charge responsible for Asbestos Program Management, Lead Hazard Management, Indoor Air Quality/Mold

- 20 years with Chastain Skillman, Inc.
- 26 years in the Industry

Education:

- Florida Institute of Technology
BS Environmental Engineering
- Florida Institute of Technology
BS Chemical Engineering
- University of South Florida
MPH Environmental & Occupational Health/Industrial Hygiene

Areas of Expertise:

- Soil and Groundwater Remediation Engineering
- Industrial Hygiene/EOH & Safety Engineering
- Hazardous Waste Management
- Asbestos/Lead Hazard Program Management
- Indoor Air Quality/Mold Assessments
- OSHA Regulatory Compliance and Exposure Assessments

Clients Have Included:

- Florida A&M University (FAMU)
- Florida Dept. of Management Services (DMS)
- City of Tallahassee
- Florida Dept. of Business and Professional Regulation (FDBPR)
- Hillsborough County Schools
- Publix Supermarkets, Inc.
- Home Depot
- Sprint-Florida, Inc.
- CenturyLink-Embarq

Active Registrations:

- Florida, Georgia and Puerto Rico - Professional Engineer (PE)
- Diplomate Environmental Engineering (DEE/BCEE) - IH Engineering
- Certified Industrial Hygienist (CIH); Certified Safety Professional (CSP)

HILLSBOROUGH COUNTY SCHOOLS

Project Type: Institutional

Size: 300+ projects to date | **Cost:** Over \$7,000,000 in services

Remediation Engineering and hazardous waste management, CIH IAQ-Mold Assessment, Asbestos Inspection Survey, O&M Plan and Abatement Design Projects for over 700 buildings for Hillsborough County School Board. Ongoing services provided since 1992 to date (10/2010) with an annual avg. budget of over \$1,000,000/yr for the past 7 yrs.

MAJOR SUPERMARKET CHAIN (CONFIDENTIAL CLIENT)

Project Type: Commercial

Size: 100+ projects to date | **Cost:** Over \$10,000,000 in services

Remediation Engineering and hazardous waste management, CIH IAQ-Mold Assessment, Asbestos Inspection Survey, O&M Plan and Abatement Design Projects for over 1,500 facilities across Florida. Ongoing services provided since 1990 to date (10/2010) with an annual avg. budget of over \$1,100,000/yr for the past 10 yrs.

FLORIDA A&M UNIVERSITY (FAMU)

Project Type: Institutional

Size: NA | **Cost:** 3 year contract; Up to \$90,000 per year

CIH IAQ-Mold Assessment, Asbestos Inspection Survey, O&M Plan and Abatement Design Project services. Ongoing services provided since 2009 to date (10/2010) with an est. annual avg. budget of over \$90,000/yr.

SPRINT-FLORIDA, INC.

Project Type: Commercial

Size: 100+ projects to date | **Cost:** Over \$1,250,000 in services

CIH IAQ-Mold Assessment, Asbestos Inspection Survey, O&M Plan and Abatement Design Projects for over 1,200 facilities for Sprint across Florida and in Puerto Rico. Ongoing services provided since 2001 to date (10/2010) with an annual avg. budget of over \$125,000/yr for the past 10 yrs.

HOME DEPOT

Project Type: Commercial

Size: 25+ projects to date | **Cost:** Over \$200,000 in services

CIH IAQ-Mold Assessment, Asbestos Inspection Survey, O&M Plan and Abatement Design Projects for over 200 facilities for Home Depot across Florida and Georgia. Ongoing services provided since 2006 to date (10/2010) with an annual avg. budget of over \$50,000/yr for the past 4 yrs.



Tom E. Lewis, P.G., C.F.E.A., L.E.P

Tallahassee Office Manager - Senior Hydrogeologist

- 18 years with Chastain Skillman, Inc.
- 34 years in the Industry

Education:

- The College of William & Mary
BS Geology
- Bellevue University
MBA

Areas of Expertise:

- EPA CERCLA Superfund
- Due Diligence Phase I and Phase II
- Landfill Monitoring
- Contamination Assessment
- Ground Water Monitoring Programs
- Asbestos Inspections and Management Planning
- Groundwater, Surface Water, and Soil Sampling

Clients Have Included:

- City of Tallahassee
- Solomon C&D Landfill
- Telogia Power, LLC Biomass Facility
- Florida A&M University
- Florida Department of Management Services
- Florida Department of Environmental Protection
- Publix Supermarkets
- Capital City Bank Group
- ProBank
- Prime Meridian Bank
- Premier Bank

Active Registrations:

- Registered Professional Geologist, Florida #2305
- Florida Licensed Asbestos Inspector #100025-1197
- Florida Licensed Asbestos Management Planner #100335-1291

SOLOMON C&D LANDFILL

Project Type: Commercial | **Cost:** \$85,000

Geologist in charge of performing regulatory compliance tasks such as FDEP permit renewal, semi annual groundwater sampling and reporting, Biennial technical reporting, contamination evaluation, financial assurance, and overall FDEP site compliance. As part of these services, Chastain-Skillman, Inc performed the following tasks: Groundwater Sampling program design and implementation; Monitoring Well replacement design and installation; Contamination Evaluation Services; Routine Groundwater Sampling Coordination and Supervision; Semi annual and Biennial Reporting; Potable Well Survey; Site Planning and Cell volume calculations; Remaining cell disposal life and closure costs calculations.

TELOGIA BIOMASS

Project Type: Commercial | **Cost:** \$150,000

Geologist in charge of compliance requirements associated with two solid waste disposal cells containing ash generated from an alternative power biomass generation plant. Mr. Lewis provided consulting services for the investigation of groundwater contamination, preparation of contamination assessment plan, installation and expansion of groundwater monitoring systems, and hydrogeologic modeling. Additionally, he performed routine semi-annual groundwater sampling and reporting and prepared the biennial technical reports for the facility to submit to FDEP.

ENVIRONMENTAL CONSULTING SERVICES

Project Type: Municipal | **Cost:** \$100,000

Geologist in charge of environmental risk projects performed on behalf of the Public Works, Stormwater, and the Water Utility divisions of the City of Tallahassee. Projects managed included a Phase I Environmental Site Assessment of Multiple Roadway Right-of-Ways in the Gaines Street Corridor Brownfield Area; Research and Preparation of Technical Specifications for Handling Contaminated Soils and Third Party Observation in Gaines Street Corridor Brownfield Area; and Stormwater Pond Sediment Sampling and Beneficial Use Planning for the French Town Stormwater Facility and Lake Jackson Stormwater Facility.



Michael R. Leffler, PE, BCEE

Senior Consultant

- 7 years with Chastain Skillman, Inc.
- 38 years in the Industry

Education:

- Cleveland State University
MS Chemical Engineering
- Purdue University
BS Engineering (Environmental)

Areas of Expertise:

- Utility Design, Permitting, and Construction
- Industrial Wastewater Management
- Wastewater Treatment Systems Design
- Water Distribution System Modeling and Planning

Clients Have Included:

- City of Bartow
- City of Lakeland
- City of Winter Haven
- City of Tallahassee
- Polk County Utilities
- Toho Water Authority (TWA)

Active Registrations:

- Registered Professional Engineer: Florida, #61130
- Registered Professional Engineer: Ohio, #E-41889
- Certified Wastewater Works Operator: Ohio, #3-81-53
- Board Certified Environmental Engineer (BCEE)
- LEED Green Associate

WATER TREATMENT/DISTRIBUTION SYSTEM DESIGN

Project Type: Municipal/Residential/Industrial

Size: 1.2 MGD to 150 MGD | **Cost:** \$500,000 - \$9,000,000

Project manager and engineer for design, permitting and construction services of new potable water supply wells and water production facilities for up to 1,200 gpm capacity; upgrades of facilities to add back up generators; increase treatment capacity; improvements to residuals handling facilities; and modifications plant pumping systems to accommodate operational changes. Managed the designed of over six miles of water distribution lines ranging from 6 inches to 16 inches in diameter.

ENVIRONMENTAL SERVICES

Project Type: Municipal/Commercial/Industrial

- Designed control system for a combined groundwater pumping/biologically enhanced vapor extraction system at a former bulk petroleum receiving/distribution terminal and participated in monitoring and evaluation of site cleanup progress.
- Provided treatment system review and operation consulting for a groundwater treatment plant at a Superfund site as part of a major clean-up operation. The treatment system included filtration, UV treatment, carbon adsorption and ammonia stripping.
- Performed comprehensive studies for industrial clients to identify and correct sources of non-compliant discharges under storm water NPDES permits and municipality issued industrial pretreatment permits; assisted in negotiating new permit limits.
- Prepared SPCC Plans and Storm Water Pollution Prevention Plans for numerous facilities including an automobile parts manufacturer, three roofing products manufacturing facilities, and airport fueling facilities.
- Conducted assessment of a lighting equipment manufacturing facility and recommended strategies for minimizing EPA's Risk Management Program (RMP) impacts.
- Organized and participated in Hazard and Operability (HAZOP) analyses for processes involving flammable solvents for three facilities.



Alan Hart, P.E.

Project Manager

- Less than 1 year with Chastain Skillman, Inc.
- 15 years in the Industry

Education:

- Georgia Institute of Technology
BCE Civil Engineering

Areas of Expertise:

- Stormwater Management Facilities
- Stormwater Conveyance Design
- Roadway Design
- Site Development Design
- PD&E Studies
- Watershed Modeling

Clients Have Included:

- Suwannee River Water Management District
- Florida Department of Transportation
- Bay County/Meeks Development
- Summit East Development
- St. Joe Land Company

Active Registrations:

- Registered Professional Engineer (Florida PE #58055)

OVERVIEW

Mr. Hart has over 15 years of experience in the planning, design, permitting, and management of civil engineering projects and related fields, including site and roadway design. He specializes in the design of stormwater management facilities; treatment system design and permitting; roadway design; development, subdivision and street planning and design; and water distribution and wastewater and reuse systems design. Mr. Hart's professional engineering experience includes working with firms that provide services for both the Leon County and the City of Tallahassee. Mr. Hart has worked on major FDOT roadway projects in both the planning and the design phases. He has also worked with numerous private developers on site development design projects.

Prior to joining Chastain Skillman, Mr. Hart was a Senior Project Manager in responsible charge on multiple projects for an engineering consulting firm. He provided services to both Leon County and the City of Tallahassee as the consultant's Project Manager on the projects listed below.

Chastain Skillman proposes Alan Hart, PE, as the Program Manager for this Engineering Services Continuing Services Contract. Mr. Hart has been managing projects successfully for the past ten years. As Program Manager, he will be responsible for the scoping, budgeting and scheduling of each new task assignment. He will be responsible for the design and/or management of each assignment to assure that it complies with the approved objectives, delivery schedule and budget. Most importantly, Mr. Hart will work closely and communicate effectively with the County to assure that the resulting assignment deliverables meet the County's stated objectives.

RAYMOND TUCKER ROAD DRAINAGE PROJECT, PHASE I & II

Project Type: County | **Cost:** \$165,000

Responsible for the existing and proposed conditions model for a 2300 acre drainage basin that flows to Lower Lake Lafayette. Also responsible for the re-design of the cross-drains located beneath Raymond Tucker Road, Golden Pheasant Drive, E. Windwood Way and Weeping Willow Way. During Tropical Storm Faye, these roads were overtopped by stormwater runoff from the storm. The proposed conditions model was developed to determine new size of the cross drains under these roads to alleviate overtopping in a similar future event.



Kristen M. Buzzanca, J.D.

Corporate Contracts Administrator

- 2 years with Chastain Skillman, Inc.
- 10 years in Private Practice as Commercial Litigator

Education:

- Stetson University College of Law
Juris Doctor, cum laude
- University of South Florida
BA

Areas of Expertise:

- QA/QC
- Code/Regulatory Compliance
- Civil and Commercial Litigation

Clients Have Included:

- Lake Alfred
- Town of Dundee

Active Registrations:

- Member, The Florida Bar
- Member, Lakeland Bar Association
- Admitted U.S. District Court for the Middle District of Florida
- Graduate of Leadership Winter Haven

QA/QC (QUALITY ASSURANCE/QUALITY CONTROL)

- Review, revise and negotiate contracts
- Review requests for proposals and bid submittals
- Propose alternative structures to mitigate risks
- Monitor all quality related activities on the project
- Prepare project quality system management documentation prior to project commencement
- Review quality inspection personnel qualifications and training requirements
- Recommend and implement improvements when required
- Attend client quality management meetings
- Coordinate all quality related correspondence with client representatives
- Review and respond to client concerns

CODE/REGULATORY COMPLIANCE

- Implement organizational policies, standards and procedures to comply with applicable codes and regulations
- Respond to inquiries from regulatory agencies



Charles B. Browning, P.G.

Senior Geologist

- 11 years with Chastain Skillman, Inc.
- 23 years in the Industry

Education:

- University of Florida
BS Geology

Areas of Expertise:

- Phase II ESAs
- Interim Source Removals
- Monitoring Well Design
- Site Assessments
- Risk Based Corrective Actions
- Remedial Systems O & M
- Hydrogeologic Studies
- Groundwater Monitoring/Plans
- Geophysical Surveys

Clients Have Included:

- City of Auburndale
- City of Frostproof
- City of Largo
- Hillsborough County
- Polk County
- Major Supermarket Chain
(Client Confidential)
- School Board of Hillsborough
County
- W.S. Badcock Corporation

Active Registrations:

- Florida, Registered Professional
Geologist (#1377)

FORMER DRY CLEANING FACILITY

Project Type: Commercial
Size: NA | **Cost:** \$1,250,000

Performed multiple tasks associated with site rehabilitation activities in the vicinity of a former dry cleaning facility with documented solvent-related discharges. Tasks completed included planning and installation/sampling of multiple surficial and Floridan aquifer monitoring wells; acquisition of well inventory information from private and public wells in the area of investigation; and research and investigation of remedial alternatives for future site rehabilitation activities.

SHOOTING RANGE

Project Type: Commercial
Size: NA | **Cost:** \$40,000

Project manager for activities associated with assessment of documented contamination associated with shooting debris (primarily lead shot) from an active shooting range in west-central Florida. All site assessment activities completed to date have been under a Consent Order negotiated with the FDEP. Site assessment activities were completed under an FDEP-approved Contamination Assessment Plan. Site Assessment Report documenting results of field activities was approved by the FDEP.

DISTRIBUTION FACILITY

Project Type: Commercial
Size: NA | **Cost:** \$900,000

Project manager for a petroleum release identified during due diligence at a large distribution facility in north-central Florida. Activities conducted include a site assessment, a Remedial Action Plan, active remediation of soil and ground water, post active remediation monitoring, and extensive evaluation of closure alternatives utilizing Risk Management Options II and III.



Greg J. Lassi, P.G., MPH
Senior Project Manager

- 20 years with Chastain Skillman, Inc.
- 24 years in the Industry

Education:

- Gustavus Adolphus College
BS Geology
- University of South Florida
MS Hydrogeology
- University of South Florida
MPH Environmental Health

Areas of Expertise:

- Phase I ESAs
- Phase II ESAs
- Interim Source Removals
- Monitoring Well Design
- Site Assessments
- Risk Based Corrective Actions
- Hydrogeologic Studies
- Groundwater Monitoring/Plans
- Groundwater Modeling
- Geophysical Surveys

Clients Have Included:

- City of Auburndale
- City of Frostproof
- City of Lakeland
- City of Largo
- City of Tallahassee
- Hillsborough County
- Polk County
- Pinellas County
- Major Supermarket Chain
(Client Confidential)
- School Board of Hillsborough County
- W.S. Badcock Corporation

Active Registrations:

- Florida, Registered Professional Geologist (#1290)
- Georgia, Registered Professional Geologist (#1412)

ENVIRONMENTAL CONSULTING SERVICES

Project Type: Municipal | **Cost:** \$100,000

Geologist in charge of environmental risk projects performed on behalf of the Public Works, Stormwater, and the Water Utility divisions of the City of Tallahassee. Projects managed included a Phase I Environmental Site Assessment of Multiple Roadway Right-of-Ways in the Gaines Street Corridor Brownfield Area; Research and Preparation of Technical Specifications for Handling Contaminated Soils and Third Party Observation in Gaines Street Corridor Brownfield Area; and Stormwater Pond Sediment Sampling and Beneficial Use Planning for the French Town Stormwater Facility and Lake Jackson Stormwater Facility.

BROWNFIELDS INVESTIGATION AND REDEVELOPMENT

Project Type: Municipal | **Cost:** \$375,000

Principal in charge for all activities associated with Chastain-Skillman, Inc.'s contract under the Pinellas County Brownfields Program. Responsible for oversight, coordination, and implementation of the Lealman Brownfield Area site inventory and Phase I and Phase II ESA activities for the Dansville Brownfield Area. Additional tasks have included preparation and implementation of cleanup plans for contaminated soil and solid waste removal activities as well as the currently ongoing site assessments for the Dansville Brownfield area.

FORMER DRY CLEANING FACILITY

Project Type: Commercial | **Cost:** \$1,250,000

Principal in charge for all site rehabilitation activities associated with chlorinated solvent release at a dry cleaner tenant in a shopping center property in central Florida. Specific responsibilities include primary client and agency contact; project planning; and final review of site rehabilitation reports. Site rehabilitation activities completed to date have included interim remedial actions at shopping center property and site assessment activities over an approximate 45-acre area of investigation.



Arthur D. Wade III, PWS

GIS Data Management; Wetlands and Habitat Delineation

- 10 years with Chastain Skillman, Inc.
- 16 years in the Industry

Education:

- Florida Southern College
BS Biology

Areas of Expertise:

- Wetlands delineation, mitigation, and permitting
- Gopher Tortoise surveys and permitting
- Seasonal High Water Table (SHWT) determination
- Geographic Information System (GIS) applications
- Wetland monitoring

Clients Have Included:

- ALMY, Inc./ADVIGO
- Central Beef
- Century Realty
- City of Auburndale
- City of Bartow
- City of Eagle Lake
- City of Frostproof
- City of Lakeland
- City of Mulberry
- City of Tallahassee
- City of Wauchula
- Highlands Enhancement, Inc.
- Jacksonville Electric Authority
- Parsons Brinckerhoff Quade & Douglas
- Publix Supermarkets, Inc.
- Polk County
- Ruthven Real Estate
- USS Real Estate

Active Registrations:

- Professional Wetland Scientist (#1799)
- Certified Florida Department of Environmental Protection (FDEP)
- Erosion and Sediment Control Inspector (#11599)
- Gopher Tortoise Authorized Agent (FWC Permit No. GTA-09-00247)

GIS APPLICATIONS

Project Type: Commercial/Residential/Institutional/Municipal

Size: over 500 projects | **Cost:** Over \$150,000

Developed GIS databases and plotted geospatial characteristics using ARCEditor that have involved land development permitting and design, due diligence, utility relocations, and roadway improvement projects. This has included downloading data from the public domain, combining that with empirical data collected during site investigations, and developing data layers to increase the utility of relevant information to improve site design.

WETLANDS DELINEATION, MITIGATION, PERMITTING. AND MONITORING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 0.1 acres - 200 acres | **Cost:** \$3500 - \$50,000

Performed wetlands delineation at more than 100 sites within the South Florida, Southwest Florida, St. Johns River, and North Florida Water Management Districts (WMDs). This included undeveloped and developed sites, and involved close coordination with WMDs and the Florida Department of Environmental Protection. These activities have been conducted in accordance with established Federal and State wetland methodologies. Types of projects supported by these activities have included: commercial and residential land development; municipal water, wastewater, and stormwater utility projects; roadway design; and electric transmission corridor design. Performed site investigation activities to determine SHWT through the use of vegetative, hydrologic, and hydric soil indicators for wetlands delineation.

GOPHER TORTOISE SURVEYS AND PERMITTING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 5 acres - 200 acres | **Cost:** \$5,000 -50,000

Authorized Gopher Tortoise Agent for surveying gopher tortoise habitats, assessing habitat quality, determining potential impacts of development on habitats, and permitting for capture and relocation to suitable alternative habitats.



Daniel T. Stump, CHMM

Environmental Scientist

- 18 years with Chastain Skillman, Inc.
- 18 years in the Industry

Education:

- Eastern Illinois University
BS Environmental Biology

Areas of Expertise:

- Phase I ESAs
- Phase II ESAs
- Interim Source Removals
- Site Assessments
- Risk Based Corrective Actions
- Hydrogeologic Studies
- Groundwater Monitoring/Plans
- Geophysical Surveys

Clients Have Included:

- City of Auburndale
- City of Lakeland
- Hillsborough County
- Polk County
- Pinellas County
- Major Supermarket Chain
(Client Confidential)
- School Board of Hillsborough
County

Active Registrations:

- Certified Hazardous Materials
Manager (CHMM #8992)
- Registered Environmental
Property Assessor (REPA #5881)

BROWNFIELDS INVESTIGATION AND REDEVELOPMENT

Project Type: Municipal
Size: NA | **Cost:** \$375,000

Assisted in the completion of Brownfields investigations for the Lealman Brownfield area and the Dansville Brownfield area. Activities conducted included site inventory survey and portfolio generation for the Lealman Brownfield area, and completion of Phase I ESAs, collection of soil and ground-water samples, and preparation of generic and site-specific Quality Assurance Project Plans for the Dansville Brownfield area.

SCREEN PRINTING FACILITY

Project Type: Commercial
Size: NA | **Cost:** \$110,000

Performed majority of field activities associated with site rehabilitation at a screen printing facility with documented discharges of solvent-related compounds in soil and ground water. Conducted soil and ground-water sampling activities as part of site assessment and supplemental site assessment. Collected periodic samples as part of Natural Attenuation Monitoring and prepared reports for submittal to FDEP documenting periodic sampling. Assisted in preparation of SRCR for submittal to FDEP (SRCO approved in November 2008).

INDUSTRIAL CENTER

Project Type: Commercial
Size: NA | **Cost:** \$125,000

Conducted majority of field activities associated with a gear oil release within a garage facility at a large industrial center in central Florida. Field activities have included soil and ground-water testing during site assessment, soil source removal and free product removal as part of interim source removal activities, and periodic limited ground-water extraction events as part of remedial activities.



Steven A. Dutch, PE

Utilities & Construction

- 16 years with Chastain Skillman, Inc.
- 37 years in the Industry

Education:

- University of Maine
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design
- Linear utility system design
- Stormwater transmission
- Reclaimed water projects
- Effluent disposal projects
- Construction engineering services

Clients Have Included:

- City of Auburndale
- City of Leesburg
- City of Bartow
- City of Frostproof
- City of Lakeland
- City of Lake Alfred
- City of Largo
- City of Tarpon Springs
- City of Temple Terrace
- Polk County

Active Registrations:

- Registered Professional Engineer (Florida #39118)

WATER AND WASTEWATER PROCESS DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$250,000 - \$10,000,000

Principal design engineer for 15 wastewater treatment facilities ranging in capacity from 25,000 GPD to 8.0 MGD and five water plants and supply wells with capacities up to 6,000 gpm. The total construction cost for these facilities exceeds \$130 million.

LINEAR UTILITY SYSTEM DESIGN

Project Type: Municipal/Commercial/Industrial

Size: Over 750,000 feet of 8" to 66" pipe | **Cost:** \$50,000 - \$6 Million

Designed over 50 miles of gravity sewer, from 8 to 36 inches in diameter; over 100 miles of water main, force main, and reclaimed water main from 4 to 66 inches in diameter; and over 120 pump stations from one pump to five pumps, with capacities in excess of 9,000 gpm.

STORMWATER TRANSMISSION

Project Type: Municipal

Size: Over 25,000 feet of 24" to 72" pipe | **Cost:** \$250,000 - \$5,000,000

Responsible for the planning, permitting, and design of major interceptor stormwater lines in developed urban areas including numerous outfall structures.

RECLAIMED WATER PROJECTS

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 5.0 MGD | **Cost:** \$1.25 million - \$6.0 million

Project Manager and Engineer for planning, design and permitting of reclaimed water projects and treatment upgrades to allow for public access reuse. Systems include chlorination, de-chlorination, and ultraviolet disinfection; ground storage tanks up to 3 million gallons; and pumping systems.

CONSTRUCTION ENGINEERING SERVICES

Project Type: Municipal/Commercial/Institutional

Size: over 100 projects | **Cost:** Over \$300 million

Provided construction engineering on water, wastewater, linear utility, and solid waste projects. Services included submittal review, review and preparation of change orders, review of contractor payment requests, enforcement of schedule and quality requirements, and final certification of projects.



Lisa Strine Lassi, PE, CDT

Specifications & Permitting

- 31 years with Chastain Skillman, Inc.
- 31 years in the Industry

Education:

- University of South Florida
ME
- University of South Florida
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design, permitting, and construction
- Administration of water and wastewater projects

Clients Have Included:

- City of Auburndale
- City of Bartow
- Century Realty Funds, Inc.
- Drummond Coal Company
- Highlands County
- City of Mulberry
- Villages of Highlands Ridge
- City of Avon Park

Active Registrations:

- Registered Professional Engineer
(Florida P.E. #44157)
- CSI Certified Construction Documents Technologist

WASTEWATER STUDIES AND DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Contributing engineer for design of a new 2.0 mgd Sequencing Batch Reactor wastewater treatment facility. Managed preparation of Operation and Maintenance Manual for regional wastewater treatment facility. Developed wastewater residuals land application management plan. Designed lift station improvements to include conversion from dry well to wet well with submersible pumps. Managed design and construction of pump stations and sanitary sewer rehabilitation.

SPECIFICATION PREPARATION

Project Type: Municipal/Commercial/Institutional/Industrial

Size: NA | **Cost:** \$250,000 - \$10,000,000

CSI Certified Construction Documents Technologist has responsibility for preparing Contract Documents following EJCDC format and technical specifications for all environmental engineering projects. Responsible for maintaining and updating both the EJCDC Construction Documents and CSI Masterformat system. Updates master technical specifications as required to keep current with industry standards.

PERMITTING

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$5,000 - \$80,000

Prepared a wide variety of permitting services, including NPDES industrial stormwater and compliance, Water use, Collection systems and pump stations, dredge and fill, and wastewater treatment plants.



Douglas E. Jones, PE

Utilities & Construction

- 14 years with Chastain Skillman, Inc.
- 28 years in the Industry

Education:

- University of South Florida
MSE Environmental Engineering
- University of South Florida
MS Microbiology
- Valdosta State University
BS Biology

Areas of Expertise:

- Water and wastewater treatment process design
- Linear utility collection and distribution design
- Utility permitting
- Construction Engineering

Clients Have Included:

- City of Auburndale
- City of Bartow
- City of Frostproof
- City of Tallahassee
- City of Tarpon Springs
- City of Wauchula
- Polk County Utilities Division
- Toho Water Authority (TWA)

Active Registrations:

- Registered Professional Engineer (Florida #58077)
- Registered Microbiologist (Florida #22602)

WATER AND WASTEWATER TREATMENT PROCESS DESIGN

Project Type: Municipal/Residential/Industrial

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Provided design, construction and/or permitting services for public water and wastewater treatment facilities ranging in size and complexity from 25,000 GPD Sequencing Batch Reactor (SBR) plants units to 13.7 MGD systems. Innovative experience includes retrofitting existing treatment plants for new, open-channel, high-level ultraviolet disinfection systems, filtration, effluent storage and pumping for public access reuse of up to 9.6 MGD. Conventional design experience includes the design of efficient storage ponds, oxidation ditches, secondary clarifiers, filters, Class AA residuals treatment processes, chlorine contact chambers, and ground storage tanks. Designs have been for new construction, retrofits and expansions.

LINEAR UTILITY DESIGN, PERMITTING, AND CONSTRUCTION SERVICES

Project Type: Municipal

Size: Over 300,000 feet of 4" to 30" pipe | **Cost:** \$50,000- \$6 Million

Managed or served as technical lead for transient analysis, modeling, design, permitting, and construction services associated with more than 300,000 linear feet of utility system infrastructure projects including piping, pumps, valves, and other components, including sewer systems. Individual projects have ranged from simple connections of newly developed facilities to existing mains, to the complete design of mains up to 15 miles in length. This has included the identification of appropriate corridors, and interfacing with a wide range of stakeholders that have included project owners, regulatory agencies, the Florida Department of Transportation, utility service providers, and the public. These designs have included pipes up to 30 inches in diameter, as well as associated pump stations up to 8 MGD.

SUMMERBROOK WATER DISTRIBUTION

Project Type: Municipal

Size: NA | **Cost:** NA

Continuous pressure recorders were installed in the system develop data to further calibrate the model, and pin-point trouble areas. The resulting modeling identified issues with an existing well and water tower, and also demonstrated that the meter/service line combination were too small for the large demands at these residences.



David J. Buyens, P.E.

Senior Project Engineer - Lakeland Office - Utilities

- 30 years with Chastain Skillman, Inc.
- 41 years technical and design experience

Education:

- Purdue University
BS Chemistry
- University of South Florida
MS Engineering,
Environmental Concentration

Areas of Expertise:

Expertise includes: permitting, design, and operation/maintenance of potable water supply, treatment, storage, and distribution facilities; wastewater collection, pumping, treatment, and disposal facilities; drainage; street/highway design; and all phases of site development.

Responsibilities:

Senior Project Manager/Engineer for Civil and Environmental Engineering providing feasibility and rate studies, data collections and analysis, pilot plant studies, water and wastewater treatment system design, construction, and supervision. Additional responsibilities include engineering report preparation; preparing grant applications; designing and monitoring state and federally funded projects such as CDBG; rezoning applications; site layout feasibility studies; water/sewer, street drainage, and earthwork design; preparation of contract documents; and contract administration.

Active Registrations:

- Registered Professional Engineer, Florida #30279;
- Wisconsin #15746

SITE DEVELOPMENT

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 300 acres | **Cost:** \$20,000 - \$100 million

Performed Project Engineer or Project Manager, design and permitting services for commercial, residential, institutional, and industrial land development projects. Design and permitted the non-electrical portion of electrical substations including site evaluation and selection. The scope included site planning of single- and multi-phase projects, utility design, cost estimations, permitting for water, sewer, municipal and county approvals, coordination of for traffic and structural engineering. Coordinated master planning of manifolded off-site forcemain systems in conjunction with the local wastewater utility. Permitted the proposed utilities with the Polk County Health Department, the Florida Department of Environmental Protection, the Florida Department of Transportation, the Army Corps of Engineers, and the local right-of-way municipality or county.

UTILITY DESIGN, PERMITTING, AND CONSTRUCTION

Project Type: Commercial/Industrial/Residential/Municipal

Size: 300 feet - 6 miles | **Cost:** \$20,000 - \$1,500,000

Prepared the design and specifications for utility extensions; permitted such extensions with the local health department or Florida Department of Environmental Protection office; obtained right-of-way use permits from the FDOT, county, or local municipality; administered the bidding and construction of the utility projects; and provided certification/project closure services. Optimized systems performance for the benefit of the utility and client. Provided investigation of underperforming systems and selected from developed options for improvement.

WATER DISTRIBUTION SYSTEM MODELING & PLANNING

Project Type: Municipal

Size: Population 30,000 to 100,000 | **Cost:** \$10,000 - \$200,000

As project manager, evaluated nearly all the municipal water distribution systems in Polk County for fire flow capacity, master planning, or main sizing. Performed both steady state and extended period simulations for current and future years. Estimated improvements for cost and timing and made a recommendation between viable options.



Harry Robert Losh, Jr.

Project Manager - Tallahassee Office

- 25+ years with Chastain Skillman, Inc.
- 41 years in the Industry

Education:

- Polk Community College AS Pre-Engineering

Areas of Expertise:

- Permit coordination
- Utility and construction coordination
- Roadway and piping system design

Responsibilities:

Project Coordinator for designing streets, drainage systems, water systems, and sanitary sewers; researching existing utility records and coordinating designs with utility companies; completing permit applications (i.e., DOT Driveway and Utility permits, Polk County Utility permits, Septic Tank permits, Water System Construction permits, Wastewater System Construction permits), and coordinating information between governmental agencies, engineering, drafting, and survey departments.

Active Registrations:

- Registered General Contractor - Florida (License #RG0045960) [inactive]
- FDEP Qualified Stormwater Management Inspector
- Certified Asbestos Inspector

 **CITY OF TALLAHASSEE**

Miscellaneous water and wastewater system extensions and relocations associated with roadway projects. Lead designer for Pump Station renovations and piping revisions.

 **HOLMES COUNTY**

Lead Designer for CDBG-funded Rum Road Improvements to include preparation of construction documents for paving, shoulder and drainage improvements for a 3.3 mile long existing clay stabilized road.

 **CITY OF LAKELAND**

Lakeland/Auburndale water system interconnect; misc. water and sewer relocations for F.D.O.T. roadway projects; English Oaks Wastewater Force Main- Approximately 7 miles in length of up to 30" pipe.

 **BENEFICIAL COMMUNITIES**

Lead Designer for 80-unit, single-family residential development in Marianna, Florida including layout and design of roadways and drainage, water distribution system, wastewater collection and pumping system and site grading, permitting and coordination with jurisdictional agencies.

 **CHIPOLA AIRPARK**

Lead Designer for 55-acre private residential air park in Greenwood, Florida including design of combination driveways/taxiways around the perimeter of a grassed runway and associated storm water collection system, and design of water distribution system.

 **CITY OF AUBURNDALE**

Miscellaneous water and wastewater system extensions; Lake Stella walkway; agency coordination; water plant renovation; miscellaneous F.D.O.T. Joint Project Agreement projects; Master wastewater transmission mains supplying new regional wastewater treatment facility.

 **JACKSONVILLE ELECTRIC AUTHORITY (JEA)**

Site grading and drainage and piping layout for Blacks Ford and Ponte Vedra wastewater treatment plant expansions.

 **CITY OF BARTOW**

Effluent reuse force main to new Florida Power Corporation site

 **TOHO WATER AUTHORITY**

Site paving layout, grading and drainage design; plant piping layout



Ted R. Fylstra

Project Funding Specialist

- 1.5 years with Chastain Skillman, Inc.
- 33 years in the Industry

Education:

- New Jersey Institute of Technology/Newark College of Engineering
- BS Industrial Engineering

Areas of Expertise:

- Funding Strategies
- Funding Research and Analysis
- Funding Application and Agreement
- Grant/Loan Administration
- Grant/Loan Compliance
- Monitoring
- Reporting Requirements
- Client Relations Management
- Audit Assistance

Clients Have Included:

- City of Bartow
- City of Belleview
- City of Fort Myers
- City of Frostproof
- City of Lake Alfred
- City of Marco Island
- City of Plant City
- City of Sarasota
- City of Wauchula
- Sarasota County
- Collier County

FUNDING SERVICES

Project Type: Municipal

Cost: Grants/Loans ranging from \$50,000 to \$140 million for 25+ communities

Grant/Loan Planning and Application Development:

Conduct a series of meetings with community representatives to determine and develop a comprehensive list of community-wide funding needs. Perform a Funding Analysis for this list resulting in a document providing potential funding sources and a strategy to maximize funding opportunities. Presentations to staff and management are conducted to finalize and adopt the plan.

Grant/Loan Application and Agreement:

Gather and collate information, prepare applications, and coordinate required community approvals. Coordinate with the funding agency to assure application is acceptable for the program. Coordinate the community agreement execution process.

Planning Requirements:

When the funding program requires a pre-construction planning process, manage and/or prepare the financial, environmental, technical and non-technical documents required to obtain environmental and financial approval of a project from State and/or Federal agencies. Coordinate the Public Hearing adoption process.

Administration:

Manage and coordinate the administration of the grant/loan with the community staff, consulting engineers, and funding agencies to ensure all agency grant/loan requirements are met, all expenses and revenues are properly reported, and successful audits are accomplished through the preconstruction, bidding, construction, disbursement, reporting, and close-out phases of the project.

Level of Assistance:

In the last ten years, efforts have resulted in excess of \$1.5 billion in funding for clients.



Environmental Support
EGS SF 330

EGS

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Thomas H. Hayden, P.E. Geotechnical Engineering

Professional Credentials:

Bachelor of Science, Civil Engineering, University of South Florida, 2003
Professional Engineer in Florida

Professional Organizations:

American Society of Civil Engineers – 2008 President Tallahassee Chapter – 2008-2010 FAMU/FSU College of Engineering Student Chapter Liaison – 2009 Young Engineer of the Year

Florida Engineering Society – 2008-2009 K-12 Education Committee - 2006-2008 Math Counts Committee – 2009 Florida Engineering Leadership Institute Graduate

Geotechnical Materials Engineers Council

Special Qualifications:

- Over 10 years of Geotechnical design and investigation experience, including roadway studies, stormwater design, pavement design, and materials engineering
- Familiarity of FDOT Geotechnical Standards
- CTQP/ACI Certifications: Aggregate Field and Laboratory Testing Technician, Asphalt Plant Technician – Levels I and II, Field Sampler Technician, LBR Technician, Concrete Field Technician – Levels I and II, Concrete Laboratory Technician – Level 1, Quality Control Manager, Concrete Transportation Construction Inspection, Advanced Maintenance of Traffic Inspector and FDEP Erosion Control Inspector

Years Experience with EGS: 7; Years experience with other firms: 3

Relevant Experience:

GPI Southeast, Inc., Proposed Longleaf Development, Stormwater Treatment Facilities, Wakulla County, FL – Performed subsurface investigation of the proposed Longleaf Development. Provided client with subsurface conditions, encountered groundwater and estimated "normal" seasonal high groundwater, design infiltration rates, and anticipated construction considerations.

Carollo Engineers, Lake Bradford Road Wastewater Treatment Facility, Tallahassee, FL – Performed subsurface investigation of the proposed roadway and parking improvements at the Lake Bradford Wastewater Treatment Facility. Provided the client with design and reuse recommendations for each material STRATA encountered throughout project.

Florida Department of Transportation, District 3, SR 97 Pavement Core and Condition Survey, Escambia County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 97 in Escambia County, Florida. Provided the District with the types of pavement failure encountered, anticipated construction considerations, and design recommendations.

Florida Department of Transportation District 3, SR 61 Pavement Condition Survey and Design, Leon County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 61 (North Monroe Street) at the proposed Lake Jackson Eco-Passage. Provided the client with compaction characteristics of the existing embankment material as well as design recommendations for the proposed pavement.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Geotechnical Engineering

Professional Credentials

Bachelor of Science, Civil Engineering, Tri-State University, 1974

Master of Science, Civil Engineering, Oklahoma State University, 1975

Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978

Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past Vice-President of North Florida Section, Past President of Tallahassee Chapter, Engineer of the Year of Tallahassee Branch

Florida Engineering Society, Past Vice-President of North Florida Region, Past President of Big Bend Chapter, Elected Fellow, Past Engineer of the Year of Big Bend Chapter

American Society of Transportation Engineers

American Public Works Association

National Society of Professional Engineers

Transportation Research Board (National Academy of Sciences), Past National Committee Chairman

Florida A&M University / Florida State University, Chairman of Civil Engineering Advisory Committee

Leon County Board of County Commissioners, Served on Science Advisory Committee

Special Qualifications

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

Years Experience with EGS: 19

Years Experience with Other Firms: 18

Relevant Experience

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

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

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

Relevant Experience, cont.

SR 95 (US29/Pensacola Blvd) From SR 8 (I-10) to 0.5 Miles North of SR 10 (US 98), FDOT District 3, Escambia County, FL (FDOT FPN 2186031-1-32-01) – The projects consisted of conducting the geotechnical studies for the roadway widening of SR 95 from 4 lanes to 6 lanes. The investigation included the analysis of subsoils for lane additions, culvert installations, storm sewer installation, mast arm signalization and retaining wall installation. Also included was the Geotechnical investigation for bridge widening, MSE walls, and the slope stability analysis of embankment areas.

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

SR 202 Reconstruction from West of Kernan Blvd. to San Pablo Road, FDOT District 2, Duval County, FL (FDOT FPN 209733-4-52-01) - Conducted the geotechnical investigation for the widening of SR 202 from 4 to 6 lanes in Duval County, Florida. The geotechnical studies included roadway reconstruction, pavement design, bridge widening, culvert extensions and stormwater ponds. Duties included conducting a reverse engineering study to determine the type, loads and depths of foundations for an overpass bridge on I-95 where there were no bridge plans and construction records available.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E. Environmental Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

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

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

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

Judith M. Hayden, P.E.

Relevant Experience, cont.

Rum Road over Parrot Creek Bridge Replacement, Holmes County, FDOT District 3 – Served as project manager for environmental permitting for the replacement of the one-lane bridge on Rum Road with a two-lane structure on a new alignment. Prepared and obtained the environmental permits required by the Florida Department of Environmental Protection and the US Army Corps of Engineers for the bridge replacement. The project was on an emergency accelerated schedule due to the bridge failure as a result of storm damage.

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



This certifies that
**ENVIRONMENTAL AND GEOTECHNICAL
SPECIALTIES, INCORPORATED**
is recognized as a
Minority/Women-Owned Business Enterprise
under the
**City of Tallahassee and Leon County
Consortium Interlocal Agreement**

For a period of one (1) year beginning:
May 18, 2010 to May 31, 2011



MBE Administrator



Certification Specialist



**Environmental Support
ACI SF 330**



ARCHAEOLOGICAL CONSULTANTS INC.

Florida's First Choice in Cultural Resource Management

Archaeological Consultants, Inc. (ACI) was established in 1976 by founding principal, Marion Almy, who was joined by Joan Deming in 1978. Together they created Florida's oldest full-service cultural resources management firm. Corporate offices are located in Sarasota with satellite offices in the Tampa Bay, Tallahassee and St. Augustine areas.

ACI is certified by the State of Florida as a Minority Business Enterprise (MBE), is designated as a Disadvantaged Business Enterprise (DBE) by the Florida Department of Transportation, and is certified as a Small Business Enterprise (SBE) with the South Florida Water Management District, as well as many other Florida counties and municipalities, including Tallahassee/Leon County.



ACI's senior staff is comprised of Registered Professional Archaeologists (RPA), historians and architectural historians with graduate degrees who meet the Secretary of the Interiors Standards for professionals working in the field of historic preservation.

ACI's 30 plus years of successful cultural resource service is a result of our professional integrity, client first philosophy, and knowledge and skill in navigating clients through the complex review and compliance process for local, state, and federal agencies. ACI has gained national recognition as:



- A recipient of the U.S. Small Business Administration's Award of Excellence in recognition of outstanding contributions and service for work at the Kennedy Space Center on behalf of the National Aeronautics and Space Administration.
- A successful small business with a bare-bones management style recognized by the American Express Corporation's *Your Company* magazine.

- "Among the oldest and best is Archaeological Consultants of Sarasota" as recognized by the *Maddux Business Report* magazine.
- A recipient of the NASA Environmental Quality Group Award, one of NASA's Environmental and Energy Blue Marble Awards, in recognition for environmental leadership and helping NASA reach Constellation Program goals.

www.aci-crm.com

Archaeological Consultants, Inc.
Tallahassee Area Office
98 Hickorywood Dr., Crawfordville, FL 32327
850.926.9285 / ACINorth@comcast.net



ARCHAEOLOGICAL CONSULTANTS INC.

Florida's First Choice in Cultural Resource Management

Relevant Job Experience to Leon County Proposal:

- **Cultural Resource Assessment Survey Capital Cascade Trail, Leon County (2005-2011):** ACI has conducted the cultural resource assessment survey (CRAS) for this stormwater management facility, which runs through Tallahassee. The project involved the survey of several water retention facilities, and the areas surrounding the other proposed stormwater facilities. This resulted in the recorded and reassessment of several archaeological sites and the recorded of numerous historic features and the updating of many others. Currently, ACI is on contract with Blueprint 2000 to provide cultural resource assessment services on an as needed basis during the construction phase within Segment 2.
- **Cultural Resource Assessment Survey O'Connell Property, Leon County (2009):** ACI conducted a CRAS of this parcel for the Public Works Department of the City of Tallahassee. The investigations included background research, including examination of the historic Sanborn Insurance maps, surface reconnaissance, and systematic subsurface testing. This resulted in one historic archaeological site being recorded; no historic structures were present.
- **Cultural Resource Assessment Survey of Bald Point State Park, Franklin County (2007):** ACI conducted a cultural resource assessment survey within Bald Point State Park prior to the construction of a new entrance road and campground facilities. The scope of work included background research, development of a research design, and archaeological and historical resources survey. Two new sites were recorded, two previously recorded sites were examined, and two isolated occurrences were reported. No historic structures were present within the study areas.
- **Cultural Resource Assessment Survey of Jackson Blue Springs Recreation Area, Jackson County (2007):** ACI conducted a cultural resource assessment for the State-owned, County operated Jackson Blue Springs Recreation Area prior to the construction of new facilities, rehabilitation of existing structures, and installation of a new hiking trail. Several previously recorded sites were investigations and assessed in terms of NRHP eligibility. Recommendations were made for avoidance of some sites while others were not considered significant.



ARCHAEOLOGICAL CONSULTANTS INC.

Florida's First Choice in Cultural Resource Management

- **Archaeological Site Location Predictive Model for the Econfina River Basin, Taylor County, and Devil's Hammock and 47 Runs Parcels, Levy County (2004) and the Aucilla and Wacissa River Basins and Hixson Swamp (2005):** ACI developed site location predictive models for these parcels under contract with the Suwannee River Water Management District. The scope of work included background research, formulation of a site location predictive model, preparation of site location probability maps in both GIS and hardcopy, and summary reports. The reports and maps provide the framework for a unified and consistent program for site management within the study areas.
- **Cultural Resource Assessment Surveys for St. Joe Land Company, Bay County (2006):** ACI conducted numerous cultural resource assessment surveys for a number of proposed developments in Bay County for the St. Joe Land Company. Background research and field surveys were conducted on seven different parcels. Several small archaeological sites and/or archaeological occurrences were recorded. No historic structures were located within any of the tracts.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Elizabeth Horvath	13. ROLE IN THIS CONTRACT Senior Project Archaeologist	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 15

15. FIRM NAME AND LOCATION *(City and State)*
Archaeological Consultants, Inc. 98 Hickorywood Drive, Crawfordville, FL 32327

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.A. 1986 University of South Florida (Anthropology/Public Archaeology) B.A. 1980 Cleveland State University (Anthropology)	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered Professional Archaeologist (RPA) Since 1999 (Florida)
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Florida Archaeological Council; Georgia Council of Professional Archaeologists; Florida Anthropological Society
Southeastern Archaeological Conference; Society for Historical Archaeology; Training: Revised Section 106 Workshop
Integrating Cultural Resources in NEPA Compliance; OSHA Hazardous Operations Training; NPS Southeast Cemetery
Monument Conservation Course

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a. Capital Circle NW/SW (SR 263) from South of Orange Avenue (SR371) to Tennessee Street (SR10/US 90) Leon County, Florida	2007	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The purpose of this cultural resource assessment survey was to locate and identify any cultural resources within the project area of potential effects (APE) and to assess their significance in terms of eligibility for listing in the National Register of Historic Places (NRHP). As a result of archaeological field survey, two new archaeological sites were identified and recorded. These sites were not considered NRHP-eligible. As a result of historical field survey, four historic buildings (50 years of age or older) were identified and recorded in the FMSF.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b. Cultural Resource Assessment Survey, Capital Cascades Trail, Leon County	2007	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The archaeological investigations conducted for this project involved systematic and judgmental subsurface testing and surface reconnaissance along the existing ditches and within/along those areas proposed for development. As a result of these investigations additional data were collected on four previously recorded sites, and one new archaeological site was recorded. None of these sites was considered eligible for the NRHP. Historical survey revealed 50 historic resources (50 years of age or older), including one resource group within the historical APE. Of the 50 historic resources identified during this investigation, nine were either listed in the NRHP, determined eligible, or appear to be potentially eligible for listing in the NRHP.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c. District One, General Engineering Contract (GEC), Florida	various	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ms. Horvath has participated as Project Archaeologist for several task assignments under this District One GEC. To date Archaeological Consultants, Inc. has completed 10 cultural resource assessment surveys (CRAS) task assignments under this GEC.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	



ELIZABETH HORVATH, RPA
Senior Archaeologist

Ms. Horvath, Senior Archaeologist and Manager of ACI's Tallahassee Area office, has more than 20 years of Cultural Resource Management (CRM) experience throughout Florida, the Southeastern U.S., and the Caribbean. Ms. Horvath's responsibilities include project development, direction of survey and excavation projects, background research, oversight of laboratory analysis, the development of research designs, and the preparation of CRAS reports and associated graphics. She also serves as ACI's liaison with the Division of Historical Resources, the FDOT/CRM review team in the SHPO office, and Office of the State Archaeologist.



Professional Credentials

Meets the Secretary of Interior's Professional Qualifications Standards

Registered Professional Archaeologist (RPA)

M.A. Anthropology/Public Archaeology, University of South Florida

B.A. Anthropology, Cleveland State University

More than twenty years of CRM experience

Florida Archaeological Council

Georgia Council of Professional Archaeologists

Florida Anthropological Society

Southeastern Archaeological Conference

Society for Historical Archaeology

Relevant Professional Training

Revised Section 106 Workshop

Integrating Cultural Resources in NEPA Compliance

OSHA Hazardous Operations Training

NPS Southeast Cemetery Monument Conservation Course

- Lead archaeologist for northwest Florida FDOT, U.S. Forest Service, Suwannee River Water Management District, and U.S. Coast Guard projects.
- Responsible for developing data recovery plans, supervising Phase II excavations and assessing site integrity/NRHP eligibility, and Phase III mitigative efforts.
- Serves as ACI Safety Officer with specialized training in OSHA Regulations for Construction Supervisors (Competent Person: Excavation, Trenching and Shoring), and First Aid and CPR
- Experienced with 36 CFR 800, Section 106, NEPA, and Chapters 267 and 872, *Florida Statutes*, as well as local ordinances for municipalities other relevant federal, state and local laws and regulations.
- Prepares, submits, and ensures ACI compliance for 1A-32 and ARPA permits.
- Participated in developing the Florida Division of Historical Resources' Review and Compliance module in the *Cultural Resource Management Standards & Operation Manual*.
- Experienced with digital and 35 mm photography and proficient in geographic information systems such as Arc GIS 9.2 and ArcPad 7.
- Responsible for synthesizing historic and prehistoric Florida environmental, geological, and natural resources data to develop predictive models for large-scale developments and FDOT projects.
- Supervises laboratory analyses and artifact curation in the Tallahassee Area Office.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Marion Almy	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 36	b. WITH CURRENT FIRM 36
15. FIRM NAME AND LOCATION <i>(City and State)</i> Archaeological Consultants, Inc. 8110 Blaikie Court, Ste A, Sarasota, FL 34240			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.A. 1976 University of South Florida (Anthropology/Public Archaeology); B.A. 1968 Florida State University (Anthropology)		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered Professional Archaeologist (RPA) Since 1982 (Florida)	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Archaeological Council (past President); National Trust for Historic Preservation (Advisor); American Cultural Resource Association (past Director); Training: Revised Section 106 Workshop; Advanced Seminar on Preparing Agreement Documents; Integrating Cultural Resources in NEPA Compliance; Section 4(f) Compliance for Transportation Projects ; Native American Graves Protection and Repatriation Act			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	District One, General Engineering Contract (GEC), Florida (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ms. Almy is currently project manager for this GEC which involves various task assignments throughout District One. To date Archaeological Consultants, Inc. is currently in the process of or has completed 15 cultural resource assessment surveys (CRAS) and one Section 106 under this contract. Some of the CRAS include: Two Proposed Stormwater Ponds US 301 from 60th Ave. to Erie Road, Manatee County; Three proposed pond sites US 41 from Business 41 to SR 681 (Venice Connector), Sarasota County; SR 659 (Combee Rd) and US 92 (Memorial Blvd) Intersection Improvements, Phase I, 10 Proposed Pond Sites, Polk County; and SR 70 At US 441 Intersection Improvement Project, Okeechobee County.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Capital Circle NW/SW (SR 263) from South of Orange Avenue (SR371) to Tennessee Street (SR10/US 90) Leon County, Florida (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The purpose of this cultural resource assessment survey was to locate and identify any cultural resources within the project area of potential effects (APE) and to assess their significance in terms of eligibility for listing in the National Register of Historic Places (NRHP). As a result of archaeological field survey, two new archaeological sites were identified and recorded. These sites were not considered NRHP-eligible. As a result of historical field survey, four historic buildings (50 years of age or older) were identified and recorded in the FMSF.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Cultural Resource Assessment Survey, Capital Cascades Trail, Leon County (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The archaeological investigations conducted for this project involved systematic and judgmental subsurface testing and surface reconnaissance along the existing ditches and within/along those areas proposed for development. As a result of these investigations additional data were collected on four previously recorded sites, and one new archaeological site was recorded. None of these sites was considered eligible for the NRHP. Historical survey revealed 50 historic resources (50 years of age or older), including one resource group within the historical APE. Of the 50 historic resources identified during this investigation, nine were either listed in the NRHP, determined eligible, or appear to be potentially eligible for listing in the NRHP.	<input checked="" type="checkbox"/> Check if project performed with current firm	



JOAN DEMING, RPA
Principal/Vice President



Ms. Deming, Principal and Vice President of Archaeological Consultants, Inc. (ACI), has more than 30 years of Cultural Resource Management (CRM) experience throughout Florida. She has managed projects on behalf of a diversity of public agencies and private enterprises, including the Florida Department of Transportation (FDOT), the National Aeronautics and Space Administration (NASA), the U.S. Air Force, the U.S. Forest Service, and the Suwannee River Water Management District.

Professional Credentials

Meets the Secretary of Interior's Professional Qualifications Standards

Registered Professional Archaeologist (RPA)

B.A. Anthropology, University of Wisconsin

M.A. Anthropology/Public Archaeology, University of South Florida

More than thirty years of CRM experience

American Cultural Resource Association (Director)

Florida Archaeological Council

Relevant Professional Training

Revised Section 106 Workshop

Advanced Seminar on Preparing Agreement Documents

Integrating Cultural Resources in NEPA Compliance

Section 4(f) Compliance for Transportation Projects

Cultural Resource Management Plans: Preparation and Implementations

Consultation with Indian Tribes on Cultural Resource Issues

- Project Manager and/or Principal Investigator for a diversity of undertakings on behalf of all FDOT districts, Florida's Turnpike Enterprise, and the Central Environmental Management Office (CEMO). Project types include PD&E Studies and re-evaluations; pond siting surveys; right-of-way transfers; bridge replacements; effects determinations and Section 106 Consultation Case Reports; Memoranda of Agreement (MOA); HABS/HAER documentation; and Data Recovery Plans for Phase II test excavations and Phase III mitigative excavations.
- Manages all ACI's work on behalf of the FDOT's District Seven under multiple GEC and District-wide PD&E subconsultant contracts. Work includes the identification and evaluation of archaeological sites and historic resources, and the preparation of Florida Master Site File forms, and National Register of Historic Places Determinations of Eligibility (DOE).
- Directed the preparation of the FDOT's *Cultural Resource Management Handbook* and has taught training classes for the Department's CEMO. Ms. Deming also directed the preparation of a *Cultural Resource Management Standards & Operational Manual* on behalf of the Florida Division of Historical Resources (DHR).
- Manages all ACI's work on behalf of NASA at the John F. Kennedy Space Center, including preparation of a KSC-wide archaeological site location predictive model, a historic facilities survey, and preparation of a Cultural Resource Management Plan. Managed and evaluated historic properties associated with the U.S. Space Shuttle Program at nine NASA Centers across the U.S., and prepared a NASA-wide synthesis report.
- Director (2007-2010) of the American Cultural Resources Association (ACRA), the nation's only CRM industry trade association. County Commission-appointed member of the Pinellas County Historic Preservation Task Force.



Ms. Lumang, ACI Architectural Historian, is responsible for documenting the built environment. She will perform architectural/historical field surveys, identify, photograph, record, and evaluate historic resources, and complete FMSF forms and National Register Determinations of Eligibility. In addition, Ms. Lumang conducts historical research, and assists in the preparation of the historical context and historical survey results chapters of CRAS reports and technical memoranda.



Professional Credentials

Meets the Secretary of Interior's Professional Qualifications Standards

Master of Historic Preservation, University of Georgia

B.S. Architectural Studies, University of Arkansas

National Trust for Historic Preservation

US/ICOMOS – International Council on Monuments and Sites

Florida Trust for Historic Preservation

Relevant Professional Training

Section 106 Essentials

Building Material Conservation

Historic Resource Documentation

Design Guidelines

Preservation Planning Studio

Historic Landscape Management

NPI Seminar – Identification and Evaluation of Mid-20th Century Buildings

- Conducts historic resource surveys in various historic contexts including downtown neighborhoods and commercial districts throughout Florida evaluating historic resources for eligibility for listing in the National Register of Historic Places (NRHP) and local registries.
- Conducts historical research and prepares project-specific historical overviews, using research tools such as USGS quadrangle maps, historic Sanborn fire insurance maps, 19th century federal surveyor's field notes and tract books, deed and tax records, city directories, and informant interviews.
- Prepares historic contexts, site documentation, National Register nominations, Determinations of Eligibility (DOE), and mitigation measures for historic resources including HABS/HAER documentation and preservation plans.
- Experience creating interpretative and educational programs according to National Park Service Interpretive Development Program (IDP).
- Graphics proficiency in AutoCAD, 35mm photography, and drafting.
- Proficiency in preservation related software including SmartForm II, Microsoft Access, and Adobe Acrobat.
- Community involvement with local design charrettes, Historic Preservation Board Review meetings, and Florida Trust Meetings.
- Experience identifying a variety of historic resources including Mid-20th Century buildings, bridges, and cemeteries.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Environmental Support
Experience with Projects
of a Similar Type and Size**

SECTION B

B.1 LIST OF PROJECTS IN WORK CATEGORY ILLUSTRATING EXPERIENCE AND CURRENT STAFF ASSIGNMENT.

Environmental Support Services Projects

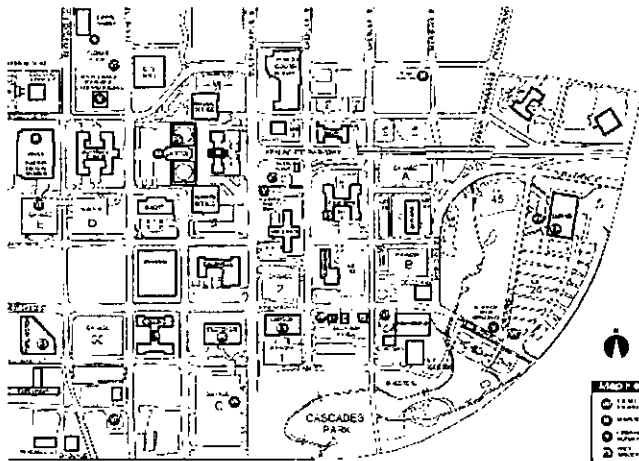
Provided below is a representative listing of projects outlining CSI's experience in the Environmental Support Services work category. In addition, project summaries are provided in the following pages addressing the specific information requested in this section.

Client	Project Name	Staff Assignment / Project Manager
Florida Department of Management Services	Environmental Professional Services	Paul Osley, PE / Tom Lewis, PG
Florida A&M University	FAMU Asbestos Surveys, IEQ/Mold Assessment	Paul Osley, PE / Tom Lewis, PG
Capital City Bank Group	Phase I/II Environmental Site Assessments	Tom Lewis, PG
School District of Hillsborough County	Environmental Consulting - Asbestos/Environmental	Paul Osley, PE / Greg Lassi, PG / Beth Blackmon
Soloman Construction Company of Quincy	Soloman C&D City Landfill	Tom Lewis, PG
Major Supermarket Chain (Confidential Client)	Environmental Consulting Services	Paul Osley, PE / Tom Lewis, PG / Greg Lassi, PG
City of Tallahassee	Phase I Environmental Site Assessment Multiple Roadway Right-of-Ways	Tom Lewis, PG
City of Tallahassee	Technical Specifications for Handling Contaminated Soils & Third Party Observation	Tom Lewis, PG / Greg Lassi, PG / Lisa Lassi, PE
City of Tallahassee Underground Utilities	Stormwater Pond Sediment Sampling	Tom Lewis, PG
Telogia Power, LLC	Groundwater Contamination	Tom Lewis, PG

ENVIRONMENTAL PROFESSIONAL SERVICES

Northwest Florida Region

Professional Services:	Environmental & Occupational Health and Safety
Project Scope:	Asbestos Surveys, Indoor Air Quality/Mold Assessment
Project Owner:	Florida Dept. of Management Services 4050 Esplanade Way, Suite 320.4Z, Tallahassee, FL 32399-0950
Project Manager:	Paul Osley, PE; Tom Lewis, PG
Point of Contact:	David M. Wiggins 850.922.7535
Year Completed:	2013
Professional Fee:	\$150,000 (estimated)
Construction Cost:	\$2,000,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



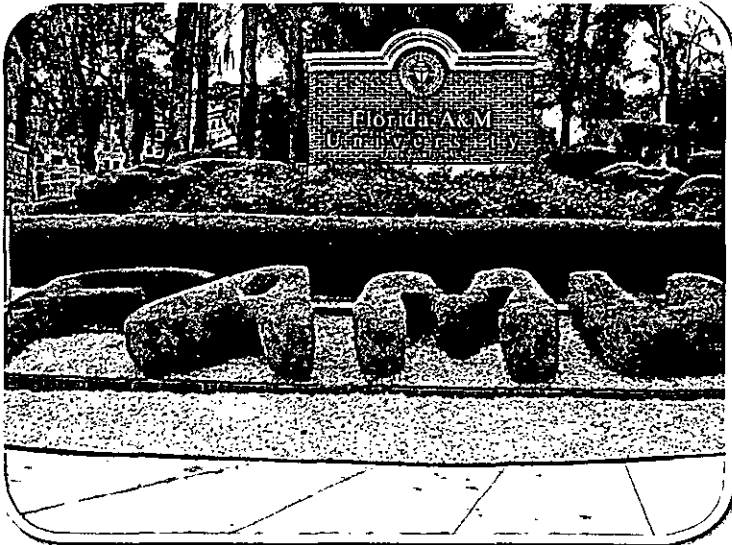
BRIEF DESCRIPTION

In 2010, Chastain-Skillman, Inc. (CSI) was selected by the State of Florida's Department of Management Services Real Estate Development and management Section to provide Environmental Professional Consulting Services. Services to be provided under this contract include providing on-going professional asbestos inspections, project management planner/O&M plans, hazard awareness training, project abatement design, abatement monitoring and oversight, lead hazard inspections, risk assessments, awareness training, abatement monitoring and oversight, indoor air quality/mold assessments and remediation oversight, industrial hygiene exposure assessments, radon, and OSHA compliance exposure evaluation.

FLORIDA A&M UNIVERSITY

Tallahassee, Florida

Professional Services:	Professional EOHS Consulting Services
Project Scope:	Asbestos Surveys, Indoor Air Quality/Mold Assessment
Project Owner:	Florida A&M University Tallahassee, FL 32307
Project Manager:	Paul Osley, PE; Tom Lewis, PG
Point of Contact:	Mrs. Bari Shepard 850.599.8021
Year Completed:	Ongoing since 2009
Professional Fee:	Estimated EOHS services \$90,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



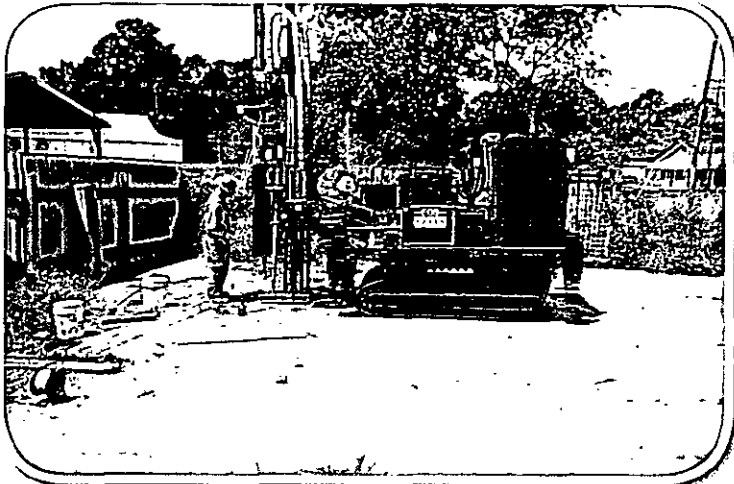
BRIEF DESCRIPTION

Provide on-going professional asbestos inspections, project management planner/O&M plans, hazard awareness training, project abatement design, abatement monitoring and oversight, lead hazard inspections, risk assessments, awareness training, abatement monitoring and oversight, indoor air quality/mold assessments and remediation oversight, industrial hygiene exposure assessments, radon, and OSHA compliance exposure evaluations.

CAPITAL CITY BANK GROUP

Phase I and II Environmental Site Assessments - N. FL and S. GA

Professional Services:	Phase I & II Site Assessments
Project Scope:	Phase I & II Site Assessments
Project Owner:	Capital City Bank Group 1301 Metropolitan Blvd., Tallahassee, Florida 32308
Project Manager:	Tom Lewis, PG
Point of Contact:	Randy Allen, Vice President 850.402.8014
Year Completed:	Ongoing
Professional Fee:	\$110,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

Since 2007, Capital City Bank Group, the largest bank in Leon County, has contracted Chastain-Skillman, Inc. (CSI) to provide 20 Phase I Environmental Site Assessments and 5 Phase II Environmental Site Assessments. Activities conducted for these projects included reviewing historical aerial photographs, historical Sanborn fire insurance maps city directories and historical topographic maps to determine past land usage at and adjacent to the target property. Additionally, public databases of federal, state, and local regulatory agencies were reviewed for areas up to a one mile location of the target properties. Detailed interviews with past and current owners and surrounding property stakeholders were also conducted prior to developing a Phase I Environmental Site Assessment Report.

If it was decided that further Phase II invasive testing activities were to be performed, CSI assisted Capital City Bank in designing and implementing a Phase II Environmental Site Assessment designed at determining if the Recognized Environmental Condition(s) delineated during Phase I activities had impacted the site. Activities performed during Phase II studies for Capital City Bank Group include field screening soil borings with an organic vapor analyzer (OVA), the collection of soil and groundwater samples using direct push technology, regulatory and owner interface, and the preparation of Phase II Site Assessment Reports with estimation of impacts and recommendations.

SDHC ENVIRONMENTAL CONSULTING

Tampa, FL

Professional Services:	Professional Engineering Services for Asbestos/Environmental
Project Scope:	Asbestos & Environmental Consulting
Project Owner:	School District of Hillsborough County 4224 W. Crest Avenue, Tampa, FL 33614
Project Manager:	Paul Osley, Greg Lassi, Beth Blackmon
Point of Contact:	Mr. Glen Lathers 813.872.5263
Year Completed:	August 2003 to present (Ongoing)
Professional Fee:	Ongoing
Construction Cost:	\$7.52 Million over the last 6 years
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

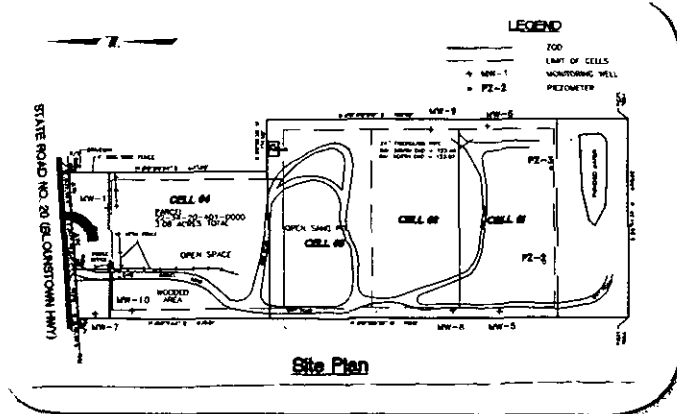
BRIEF DESCRIPTION

Services that include, but not limited to; asbestos program management, SPCC plans, training services, design services, project coordination, radon, lead hazard, IAQ, mold, regulated/non-regulated waste, ergonomics, safety, animal infection, above/underground tanks, risk/contamination assessments and remediation engineering operations.

SOLOMAN C & D CITY LANDFILL

Tallahassee, FL

Professional Services:	Landfill Monitoring
Project Scope:	Groundwater Monitoring Plan
Project Owner:	Soloman Construction Company of Quincy 414 Caldwell Street Quincy, FL 32351
Project Manager:	Tom Lewis, PG
Point of Contact:	Sam Soloman, IV, President 850.627.8428
Year Completed:	2005 - Current
Professional Fee:	\$85,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Consultant



BRIEF DESCRIPTION

Chastain-Skillman, Inc. engineers and geologists have provided engineering, geological and environmental services to Solomon C&D Landfill. Chastain-Skillman, Inc most recently has assisted with regulatory compliant tasks such as FDEP permit renewal, semi annual groundwater sampling and reporting, Biennial technical reporting, contamination evaluation, financial assurance, and overall FDEP site compliance.

As part of these services, Chastain-Skillman, Inc performed the following tasks:

- Groundwater Sampling program design and implementation
- Monitoring Well replacement design and installation
- Contamination Evaluation Services
- Routine Groundwater Sampling Coordination and Supervision
- Semi annual and Biennial Reporting
- Potable Well Survey
- Site Planning and Cell volume calculations
- Remaining cell disposal life and closure costs calculations

MAJOR SUPERMARKET CHAIN

Confidential Client

Professional Services:	Environmental Consulting Services
Project Scope:	EOHS, Contamination Assessment & Remedial Action Plans
Project Owner:	Major Supermarket Chain (Confidential Client) P.O. Box 407; Lakeland, FL 33802-0407
Project Manager:	Paul Osley, PE; Tom Lewis, PG; Greg Lassi, PG
Point of Contact:	Ms. Lisa Roberts 863.688.7402
Year Completed:	Ongoing since 1990
Professional Fee:	Avg. annual budget \$1.1 Million/yr for the past 10 years
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

BRIEF DESCRIPTION

Provide on-going professional asbestos inspections, project management planner/O&M plans, hazard awareness training, project abatement design, abatement monitoring and oversight, lead hazard inspections, risk assessments, awareness training, abatement monitoring and oversight, indoor air quality/mold assessments and remediation oversight, industrial hygiene exposure assessments, radon, and OSHA compliance exposure evaluations.

CITY OF TALLAHASSEE

Phase I Environmental Site Assessment Multiple Roadway Right-of-Ways

Professional Services:	Environmental Consulting Services
Project Scope:	Site Assessment & Corridor Study
Project Owner:	City of Tallahassee 300 South Adams Tallahassee, FL 32301
Project Manager:	Tom Lewis, PG
Point of Contact:	Mr. Tony Murray 850.891.8704
Year Completed:	2008
Professional Fee:	\$24,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Consultant

BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) was contracted by the City of Tallahassee to perform a Phase I Environmental Site Assessment of several roadway rights-of-ways (ROWs) that were being considered for transfer to their care. The total length of ROWs being considered was 2.6 miles.

The project began by reviewing historical aerial photographs, Sanborn fire insurance maps, city directories and topographic maps to determine past land usage at and adjacent to the ROWs. Additionally public databases of federal, state, and local regulatory agencies were reviewed for areas within 600 feet of the rights-of-ways. A GIS Specialist then took the research findings and utilized existing property appraiser information to develop filed maps. CSI environmental professionals later used the field maps and conducted a site reconnaissance of 167 parcels immediately adjacent to the ROWs, paying close attention to areas where research determined possible impact findings.



Upon completion of the site reconnaissance, the adjacent properties were ranked on their potential to impact the ROWs. A Phase I Environmental Assessment Report was then prepared that included historical land use findings, regulatory databases findings, previous site investigation report findings, regional and local geology findings, current land use findings, property impact rankings, and the results of the Site Reconnaissance.

A CSI Professional Geologist licensed in the State of Florida attended several pre-planning meetings to assist in preparing for a public forum being held by the City of Tallahassee to discuss the City taking ownership of the State Department of Transportation ROW's. After these meetings, a CSI Professional Geologist attended the public forum presentation to the City of Tallahassee Commissioners and the City of Tallahassee Mayor.

In October 2008, CSI assisted the City of Tallahassee by reviewing the study's findings and then summarizing and organizing the results in a manner that could assist with a Brownfield cleanup grant application for the Gaines Street Corridor Brownfield Area. This clean up grant was later successfully given to the City of Tallahassee.

CITY OF TALLAHASSEE

Technical Specifications for Handling Contaminated Soils & Third Party Observation

Professional Services:	Environmental Consulting Services
Project Scope:	Technical Specifications for Handling Contaminated Soils & Third Party Observations
Project Owner:	City of Tallahassee - Water Utilities 300 S. Adams St. Tallahassee, FL 32301
Project Manager:	Tom Lewis, PG; Greg Lassi, PG; Lisa Lassi, PE
Point of Contact:	Sal Arnaldo, P.E. 850.891.6182
Year Completed:	2009
Professional Fee:	\$60,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) was engaged by the City of Tallahassee to assist in reviewing contamination data and provide special technical specifications for handling contaminated soils that could be potentially encountered during excavation activities in the Gaines Street Corridor Brownfield Area.

The project began by reviewing 2007 assessment activities that had taken place on properties and rights-of-ways adjacent to the corridor. Additionally, public databases of state regulatory agencies were reviewed for areas near where excavation for the new sewer and water lines would be performed. A CSI Professional Geologist then took the research findings and provided estimated soil contamination quantities and locations to the city of Tallahassee. CSI also added the areas where contamination could be encountered to the master design plans for later use by the contractor during construction.

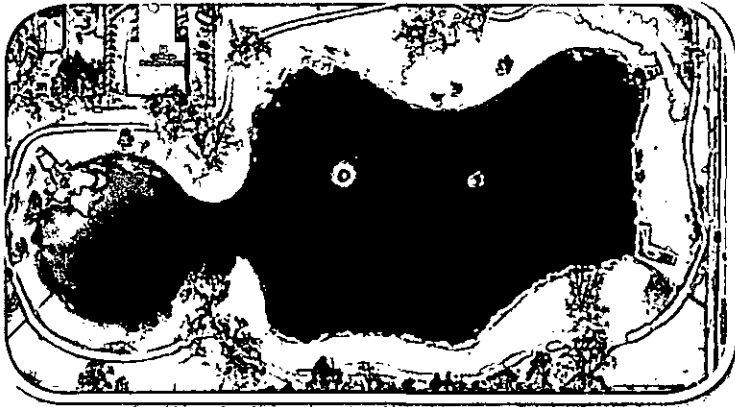
Upon completion of the research and drafting, a CSI Professional Geologist and Professional Engineer drafted Technical Special Provision for T1900 - Handling of Contaminated Soils for use in the construction bidding process and to guide the handling, storage, and disposal of contaminated soils encountered in the Gaines Street Corridor Brownfield Area.

A CSI Professional Geologist licensed in the State of Florida was then engaged by the City of Tallahassee to provide third party observation of excavation activities and document the procedures being used to handle, stockpile, and dispose of contaminated soils encountered in the Gaines Street Corridor Brownfield Area.

STORMWATER POND SEDIMENT SAMPLING

Tallahassee, FL

Professional Services:	Environmental Consulting Services
Project Scope:	Sediment Sampling & Regulatory Guidance
Project Owner:	City of Tallahassee Underground Utilities 300 S. Adams Street, B-35
Project Manager:	Tom Lewis, PG
Point of Contact:	Charles A. Blum, P.E. 850.891.6860
Year Completed:	2010
Professional Fee:	\$25,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

Chastain-Skillman, Inc. (CSI) was contracted by the City of Tallahassee in 2010 to perform sediment sampling at two stormwater facilities (Frenchtown Stormwater Facility, Lake Jackson Stormwater Facility) in Tallahassee, Florida in order to assist in determining best disposal practices and potential costs associated with stormwater sediments removed as part of construction and expansion activities.

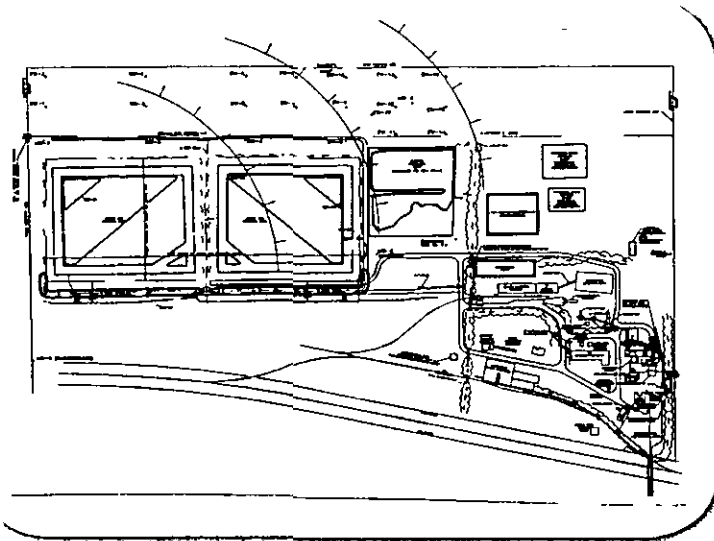
The projects began by preparing Sampling and Analysis plans for collecting an appropriate number of viable samples from different areas of each pond. Upon reviewing the analytical results, Chastain-Skillman, Inc. assisted the City in working with the NFWMD and FDEP to come up with the most cost effective approach to disposing the sediments in compliance with FDEP using beneficial use guidance document and solid waste disposal requirements.

Results of these two 2010 studies have led to a better understanding of the risks and costs involved by both sides if regulatory agencies begin to require such sediment analysis in the future prior to beneficial use practices. The results also caused the City to not take over ownership and maintenance responsibilities from one such facility currently owned and operated by another governmental agency due to the uncertainty of potential future disposal costs.

GROUNDWATER CONTAMINATION

Assessment and Monitoring | Telogia, FL

Professional Services:	Environmental Monitoring
Project Scope:	Groundwater contamination study & sampling plan
Project Owner:	Telogia Power LLC P.O. Box 199, Telogia, FL
Project Manager:	Tom Lewis, PG
Point of Contact:	Jay Moon, Plant Manager 850.379.8341
Year Completed:	On-going
Professional Fee:	\$150,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

As part environmental permitting, site planning, and overall compliance requirements associated with two solid waste disposal cells containing ash generated from an alternative power biomass generation plant, Chastain-Skillman, Inc engineers and scientists provided consulting services for the investigation of groundwater contamination, preparation of contamination assessment plan, installation and expansion of groundwater monitoring systems, and hydrogeologic modeling. Additionally, Chastain-Skillman, Inc also conducts the routine semi-annual groundwater sampling and reporting and prepares the biennial technical reports for the facility to submit to FDEP. This work has required extensive contact with regulatory agencies and coordination with additional consultants (i.e. biologists, surveyors, etc.).

B.2 NAMES AND DESCRIPTIONS OF APPLICABLE PROJECTS PRESENTLY UNDER CONTRACT DEMONSTRATING CAPABILITIES AND QUALIFICATIONS FOR WORK CATEGORY.

Environmental Support Services Projects

Provided below is a representative listing of CSI's current work in the Environmental Support Services work category.

Client	Project Name	Description of Services
Telogia Power Biomass	Consulting Services	Conduct routine semi-annual groundwater sampling and reporting and prepare biennial technical reports for groundwater monitoring network associated with two solid waste disposal cells containing ash generated from an alternative power biomass generation plant.
City of Tallahassee	Technical Specifications and Third Party Observations	Develop guidance technical specifications for handling of contaminated soils for use in bid documents for road improvement project on Gaines Street (Segment II).
City of Tallahassee	Stormwater Sediment Sampling and Beneficial Use Project	Provide consulting services to the City of Tallahassee in developing and implementing sediment sampling plans for stormwater treatment facilities in Leon County.
Solomon C & D Landfill	Landfill Groundwater Monitoring Consulting	Assist Construction and Demolition Landfill in Leon County with FDEP permit required semi-annual groundwater sampling of monitoring well network and provide consulting services for quarterly contamination evaluation and biennial technical reporting.
Department of Management Services	Indoor Environmental Quality Study	Perform Indoor Environmental Quality Study for new State of Florida building in Leon County where workers complain of odors in one area of building.

Client	Project Name	Description of Services
Capital City Bank	Phase I/II Environmental Site Assessment; Interim Source Removal (Crystal River)	Conduct Phase I/II ESA on former car dealership in Crystal River, and supervise removal of soil and groundwater contamination associated with former in-ground hydraulic lifts; prepare Interim Source Removal Report and No Further Action letter.
FAMU	Asbestos and Lead Based Paint Assessment	Conduct Lead Based Paint and Asbestos Survey and sampling for two office buildings built in the 1940s scheduled to undergo renovations.
Pinellas County	Professional Environmental and Engineering Services-Brownfield Program	Provide Environmental Consulting services for Pinellas County Community Development Department including Phase I/II ESA, Development of Quality Assurance Project Plans, Interim Source Removal activities, and assistance with Community Outreach/Stakeholder involvement.
Major Supermarket Chain (Confidential Client)	Petroleum Site Rehabilitation (Lakeland)	Implementation of a Pilot Test at an industrial center in order to attempt to evaluate the effectiveness of surfactant-enhanced free product recovery and in-situ bioremediation, as well as the feasibility of direct push slurry injection to address a localized area of gear oil-impacted groundwater.
Major Supermarket Chain (Confidential Client)	Petroleum Site Rehabilitation (Lakeland)	Soil removal, site assessment, and risk-based closure with engineering and institutional controls.
School District of Hillsborough County	Petroleum Site Rehabilitation (MOC/Tampa)	Design and implementation of air sparging and vacuum extraction system to address petroleum contaminated soil and groundwater.
School District of Hillsborough County	Aboveground Storage Tank (AST) Release (Hillsborough County)	Emergency response, site assessment, and natural attenuation monitoring associated with a AST cooling water release

Client	Project Name	Description of Services
School District of Hillsborough County	Continuing Environmental Services	Perform visual observation of the areas of concern and perform air sampling for microbials (non-viable and viable samples) and bacteria. Upon review of all air sampling results, provide Client with written report of recommendations and corrective actions. Client requested work be performed prior to the upcoming renovation to determine if the HVAC ductwork would need to be addressed.
School District of Hillsborough County	Fuel Storage Tank Compliance Monitoring	Perform monthly compliance inspections on twelve sites with aboveground and underground storage tanks. Prepare monthly reports with recommendations to ensure compliance with applicable State of Florida regulations.
W.S. Badcock Corporation	Petroleum Site Rehabilitation (Mulberry)	Post Active Remediation Monitoring (PARM) and remediation system mothballing following the completion of active remediation via air sparging and vacuum extraction.

B.3 PROCESS AND PROCEDURES FOR MEETING CURRENT DESIGN STANDARDS, CODES, AND REGULATORY REQUIREMENTS.

CSI's Program Manager, Alan Hart, PE, has worked on Leon County projects for the past 15 years and extensively for the past 4 years. He has been involved with the design of projects that utilize all aspects of the Design Standards, Codes and Regulatory Requirements. He has completed permits for Leon County with the following agencies:

- Leon County Growth and Environmental Management (LCGEM)
- Florida Department of Environmental Protection (FDEP)
- Northwest Florida Water Management District (NFWFMD)
- Florida Department of Transportation (FDOT)

Mr. Hart has been submitting permits for clients for most of his career. Mr. Hart has permitted several projects under the new Phase II requirements.

In addition to the Program Manager's local experience, three other CSI engineers/project managers have had design responsibility for projects in the Tallahassee area over the past 5 years. As such, knowledge of and compliance with applicable design standards, codes and regulatory requirements was necessary to permit the projects for our clients.

As part of CSI's internal QA/QC process, each project has an initial kickoff meeting to orient the different team members as to the objectives, schedule and budget of the project. A senior engineer who will not be associated with day-to-day project tasks of the project is assigned as the QA/QC officer. Internal design reviews are scheduled by the QA/QC engineer at 30%, 60% and 90% completion points, along with a final review prior to release of plans for bidding. By being independent of the project development, it is believed that a more effective review can be achieved to meet the issues questioned in this section.

CSI performs projects for clients all over the state. As such, we are accustomed to recognizing and applying regulations for each locality. CSI maintains a comprehensive library (digital and hard copy) of all required standards, codes, rules, directives and specifications that will support the aspects of project design encountered under this Continuing Services Contract. Members of the project design team have access to this library and use it frequently. Plan reviewers utilize this information to conduct detailed calculation checks and constructability reviews.

SECTION B.4 IGNORE PER LEON COUNTY - DUPLICATION OF B.3.

SECTION B.5 BASIC AND SPECIAL RESOURCES AVAILABLE TO FIRM FOR PERFORMANCE OF DUTIES IN WORK CATEGORY.

Chastain-Skillman, Inc. (CSI) is one of the largest south-central Florida headquartered engineering firms. Amongst our Tallahassee, Tampa, Sebring, and Lakeland offices, we employ approximately 70 personnel. Every professional, administrative support person, field construction representative, and drafting person works at their own, fully-dedicated computer station. This includes 10 fully functional CAD stations. We own approximately 15 vehicles for use by field survey crews, field construction representatives and other staff. Field construction representatives have their own mobile computer capabilities, and each survey crew works from individually assigned and company-owned vehicles and surveying equipment. All of our computers, printers, copiers, vehicles, etc. are company-owned. CSI's Florida offices encompass over 50,000 square feet of space.

Our proposed project team is made up of individuals with specialized training in the areas of stormwater design and inspection, roadway and intersection developments, utility design, water and wastewater system design, system modeling, watershed and drainage modeling, utilization of geographical information systems and use of total station and global positioning system survey equipment. Much of the computer software can be utilized and integrated with information from the County tax records and GIS information to assist in identifying Rights-of-Way and easement acquisition, as may be necessary.

Specialty design or modeling software that we routinely use that has applicability to this contract might include:

Program	Manufacturer	Project Use
Groundwater Vistas v. 3.12	Environmental Simulations, Inc.	Pre-/Post-processor for MODFLOW
ICPR v.3.10 (6)	Streamline Technologies, Inc.	Stormwater routing model
Ponds 3.2	Devo Engineering, Inc.	Retention pond recovery analysis
Hydraflow (v.6.066)	Autodesk, Inc.	Storm sewer modeling
StormCAD v. 5.6	Bentley Systems, Inc.	Storm sewer modeling
HEC-1	USACOE/Hydraulic Engineering Ctr.	Flood hydrograph program
HEC-2	USACOE/Hydraulic Engineering Ctr.	Water surface profile (1-dim) GVF
WaterGEMS v.3.0 (5000 pipes)	Bentley Software	Hydraulic network simulation program
WaterCAD v.8i (500 pipes)	Bentley Software	Hydraulic network simulation program
KYPipe - Pipe2000	KYPipe	Hydraulic network simulation program
Surge 2000	KYPipe	Hydraulic transient simulation program
Suretrak Project Manager	Primavera, Inc.	Project scheduling software
AutoTrack v.8.52	Savoy Computerizing Svc., Ltd.	Steered vehicle path computations

Both our GIS and our survey systems are fully integrated with our CAD stations and WaterGEMS hydraulic network simulation software. In addition, we also support links between AutoCAD™ and

KYPIPE and WaterCAD. All of our drafting personnel have been trained specifically in **Autodesk Civil 3D** as well as the legacy **Land Development Desktop** software. We also maintain expertise in **Microstation V**, simplifying interchange with clients utilizing this package.

We have been utilizing the **ArcGIS** system for approximately 15 years. Our GIS staff has been trained by **ESRI-certified training centers** and has worked with several municipal clients to meet their GIS needs. We have found GIS to be invaluable in utilizing information, e.g., soils mapping, from regulatory agencies such as the Water Management Districts. We have also utilized the system extensively on mapping projects and habitat assessment projects. This work has been performed for multiple County agencies, providing database management and calculations for the County's Comprehensive Plan.

It might be of interest to know that CSI has also developed a proprietary software system that has been used by a number of our larger clients to manage asbestos remediation, maintenance and future work programs. This software is an integration of a database and AutoCAD systems to provide *historical documentation of facilities plans, survey histories, test results, and areas of potential concern.* This allows facilities managers the ability to quickly scan for potential issues when construction or maintenance in an area is to be conducted. To comply with various regulatory mandates, the program also helps to schedule re-inspections and maintenance as well as provide compliance documentation. While it has primarily been used for asbestos tracking, it is flexible enough to be used with most any regulated material that must be likewise tracked.

Within our offices, CSI's network is virtualized using **VMWare** and based on **Microsoft Windows** and **Novell server technologies**. Main Servers are clustered for redundancy (automatic failover) and connected to a **SAN (Storage Area Network)** with a storage capacity of over **4Tb (Terabyte)**. The system is backed up nightly to high speed **SDLT** tape and external **SAN** drives. All servers have *redundant power supplies* and dual **UPS (Uninterruptible Power Supplies)**. All locations have departmental servers and **all locations are inter-connected using full T1 connections or better**, fully secured by use of hardware **Firewalls**. The complete system is monitored on a 24/7 basis with critical errors mailed and/or paged to the IT Manager. Virus protection is implemented at both server and workstation levels and updated on a daily basis. Workstations are upgraded or replaced on a regular basis to ensure that users are operating with current technology; this replacement has typically been in the 25 - 35 percentile per annum.

Additional resources of CSI's network include **VOIP (Voice over IP)** telephone connectivity between offices, additional high-speed laser printer/scanners at all locations, and additional wide format printing capabilities.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Environmental Support
Willingness to Meet Schedule
and Budget Requirements**

SECTION C

C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS.

Schedule Control

Through experience, CSI has determined that there are eight key elements critical to effective schedule control. These are part of CSI's approach to project delivery.

Establishing a Realistic Schedule. While the goal is to complete the project in a timely manner, established schedules must be realistic. All too often firms commit to unrealistic schedules in order to obtain an assignment. That behavior only leads to dissatisfaction on the part of the client, frustration on the part of the project team members, delays while problems are addressed, and unexpected costs. For this reason, CSI will be clear about presenting schedules that are realistically achievable.

Establishing Interim Milestones. With every task assignment, whether performed in-house or by subcontractors, CSI will establish interim milestones that will be used as checkpoints to verify that progress is being made in accordance with the planned time line, and to serve as a basis for verifying that progress is in line with spending. This proactive approach to active management of tasks will facilitate early detection of variances and support the implementation of timely corrective action, if needed.

Regular and Frequent Communication. CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of scheduled milestones to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing delays. Such issues may otherwise go unnoticed until a problem actually develops.

Skill Matching. One of the most fundamental factors in meeting schedule commitments is carefully matching work assignments with the skill level of staff. Staff that lack appropriate experience will generally take longer than expected to complete assignments and may be reluctant to ask for help. It is the responsibility of the CSI Project Manager to properly allocate resources to facilitate the timely achievement of schedule requirements and monitor progress.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay. When an issue is identified, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of schedule compliance through regular progress reporting. If a significant variance is detected, the CSI Project Manager will, upon discovery, promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

With CSI's more than 70 employees located in Florida and backed by our Team members, the CSI Team has ample resources to meet the needs of the County for this project.

Budget Control

CSI uses the following a series of techniques to manage the assigned budget:

Detailed Experience-Based Budgeting. Cost control will be enhanced by detailed budget preparation using a standard template. Experience is used to establish realistic budget amounts for labor and expenses by individual task, providing a detailed schedule for fund allocation when performing the work and serving as the basis for monitoring and evaluating financial performance. By detailing costs by individual task, a mechanism is provided for tracking costs in small increments. In this manner, if spending on a particular task does vary from budget, the overall impact on the project is small and can be more easily corrected.

Regular and Frequent Communication. As described under the section addressing Schedule Control, CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of budgets to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing variances from the planned budget. Such issues may otherwise go unnoticed until a problem actually developed.

Frequent Budget Analysis. Labor and expenses incurred against each project are input into CSI's automated corporate accounting system on a weekly basis. Progress reporting on both budget and schedule can be assessed using PlanTrax, our project management software. This software, in conjunction with our corporate accounting system and staff work assessments, allows the Project Manager to determine the percentage of completion and earned value for the project as often as necessary to closely monitor the budget status and schedule status.

Skill Matching. Assigning appropriate staff to each task is important to budget control, as well as schedule control. Technical capabilities, efficiency, and billing rates all need to be taken into consideration to enable individual tasks to be completed in a technically and economically sound manner that meets schedule requirements.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay, although this may not be possible in all cases. Whether an issue is identified at the potential stage or when there is an actual impact, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential or actual impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of budget compliance on assignments that are being performed on a time and materials basis, and promptly notify the County of any variations from the applicable scope or assumptions that would impact the cost on any assignment. If a significant variance is detected, the CSI Lead Program Manager will upon discovery promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

Corrective Action Procedures

CSI makes considerable effort to manage contracts, projects, and tasks proactively and aggressively to preclude the need for corrective action. The most important aspect of this preventive approach is to emphasize good communication, as breakdowns in the communication process are likely the most common root cause of problems encountered in our industry. Despite these efforts to avoid problems, having a sound plan for corrective actions is necessary. CSI's approach to corrective action is as follows:

Early Detection. Corrective action is most effective when variances from the plan are detected early and corrective actions can be small in magnitude. CSI implements a number of measures to promote early variance detection that include the establishment of interim milestones to be used as checkpoints, preparation of detailed budgets for use in comparing actual to planned spending, weekly financial analyses of projects, and providing forums for promoting effective two-way communication within the project team.

Prompt Action. When a significant variance to the plan is discovered, prompt corrective action is warranted. Otherwise, adverse impacts affecting technical aspects of the project as well as schedule or budget are possible. CSI utilizes experienced personnel who are capable of detecting potential problems, and who possess the knowledge and capability to propose compensating corrective actions. Rapid response is vital to keeping projects on track.

Follow-up and Adjustment. Despite best intentions, corrective actions do not always produce the desired result. This can be due to the presence of more than one root cause for a given situation, or other environmental factors. For this reason, with every corrective action, CSI establishes milestones for checking progress to confirm that the action had the desired effect. This provides the opportunity for timely adjustment to the corrective approach, if needed.

Consultation. Small, routine corrective actions will be made as needed and communicated to Leon County in routine status updates and progress reports. In the event that a significant variance is detected and corrective actions must be equally significant, CSI's Project Manager will seek input from in-house and subcontractor personnel who have relevant expertise, and will consult with the County for concurrence with the approach prior to its implementation. Such interaction will be implemented rapidly to minimize the effects of such variances.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Environmental Support
Effect of Firm's Recent, Current,
and Project Workload**

SECTION D

D.1 NAMES AND DESCRIPTIONS OF PROJECTS CURRENTLY UNDER CONTRACT AND ANTICIPATED COMPLETION DATES.

This section is prepared in order to examine CSI's current and projected workload as it relates to CSI's ability to perform Leon County's work in a timely and effective manner. The table that follows lists the projects which currently have or are projected to have meaningful activity associated with them.

Each project is listed along with the estimated number of man-hours remaining, target completion date and the estimated average man-hours per month required. Although these are average figures and reflect work for departments affected by Leon County work, it should give the reviewers insight into the availability of CSI staff to complete any tasks assigned to us.

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Civil Department - Roadway, Stormwater, Traffic			
City of Lakeland - Southeast Water Booster Upgrade	1460	09/2012	80
Confidential Client - Distribution Center Expansion	310	09/2012	17
Pulte Home Corporation - Del Webb Orlando Amenity Center	230	01/2012	23
The Drummond Company - South Village	310	01/2012	31
USF Polytechnic - Stormwater, Water Main/Sewer Force Main Extensions	480	10/2011	70
Lake Wales Housing Authority - Sunrise Redevelopment	120	06/2011	40
Polk County Public Works - Harden Pipkin Widening Project	75	12/2011	8
FDEP - Atlantic Ridge State Park	75	12/2011	8
Highlands County BOCC - Hammock and Lakewood Roads	115	12/2011	12
Miscellaneous Projects	320	12/2011	40
Subtotal	3375		330

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Environmental Risk/Environmental & Occupational Health & Safety Departments - Environmental Support Services			
Major Super Market Chain (Confidential Client) - Drycleaning Site Rehabilitation	TBD	Ongoing	40
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	60	09/2011	10
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	40	06/2011	20
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	TBD	Ongoing	10
Major Super Market Chain (Confidential Client) - Phase I/II ESA	60	05/2011	30
School District of Hillsborough County			
Aboveground Storage Tank (AST) Release	384	04/2013	16
Greenfleet Remediation	80	06/2011	40
MOC Remediation	180	12/2011	20
Fuel Storage Tank Compliance Monitoring	240	12/2011	24
Continuing Environmental Services	Ongoing	10/2013	300
Pinellas County - Brownfields	160	04/2011	160
Southern Wine and Spirits - Petroleum Site Rehabilitation	144	04/2013	6
The Sembler Company - Solvent Site Rehabilitation	72	04/2012	6
Integrated Metal Products - Petroleum Site Rehabilitation	60	06/2011	30
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Live Oak	120	09/2011	20
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Mulberry	192	04/2013	8
Telogia Power Biomass - Consulting Services	108	12/2011	12
City of Tallahassee			
Technical Specs and Third-Party Observations	50	4/2011	50
Stormwater Sediment Sampling and Beneficial Use	20	3/2011	N/A
Solomon C&D Landfill - Consulting Services	99	12/2011	11
Department of Management Services - Continuing Services	2800	12/2013	80

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Capital City Bank - Phase I/II Continuing Services	250	Ongoing	25
FAMU - Continuing Services	300	Ongoing	30
Subtotal	5419		948
Environmental Department - Utility Engineering			
City of Auburndale Continuing Services	158	10/2011	20
City of Bartow Continuing Services	138	10/2011	17
City of Bartow Headworks Construction	944	10/2011	135
City of Bartow Airbase Sewer Construction	728	10/2011	104
City of Bartow NE Force Main Construction	1324	09/2011	221
Town of Dundee Utility Relocates	50	05/2011	25
City of Frostproof WWTP	1333	03/2012	111
City of Frostproof Continuing Services	141	10/2011	18
City of Lakeland Generators	800	11/2011	100
City of Lake Alfred Facility Plan	374	12/2011	62
Polk County Mann Road Well	400	03/2012	33
Polk County Environmental Monitoring	400	04/2012	29
Tohopekaliga Water Authority	808	12/2012	50
City of Wauchula Well	540	06/2011	135
City of Tarpon Springs Vacuum Sewers	280	07/2012	28
City of Winter Haven WWTP #3	50	06/2011	17
City of Largo GW Study	15	04/2011	15
City of Tallahassee Capital Circle	231	07/2011	77
Subtotal	8714		1197
Total	17511		2502

D.2 FIRM'S ABILITY TO ABSORB PROJECTS RESULTING FROM CONTRACT.

CSI understands that having readily available personnel who have appropriate capabilities and experience to promptly address assigned tasks is essential to our ability to be responsive to the County's needs. Our primary operating philosophy is that in order for us to be successful, we must help our clients to be successful. Thus, we maintain what is by industry standards a high level of excess capacity enabling us to reliably and effectively respond to our clients' short- and long-term needs.

By viewing the table provided in Section D.1, it is possible to gauge the ability of CSI staff to promptly and efficiently respond to any assignments authorized by the County. Projects have been grouped by technical group to give an additional view of the distribution characteristics. As a reference, Environmental Services projects tend to be smaller short-term projects while the engineering projects tend to have a longer project span. While this methodology is an approximation, it provides an indication that sufficient resources are available to meet the County's needs.

Another way of looking at the numbers would be that our current utilization (based on percentage of time our personnel are committed to other ongoing projects) has been running on the order of 60%. Note that this estimate is based upon a 40-hour work week. CSI staff has been accustomed to working a 50 to 60-hour work week as necessary to meet our clients' project needs. This means that we currently have the time available to immediately devote staff to your project.

CSI's current workload is such that we have more than adequate staff and available man-hours to perform the County's planning projects. The individuals specifically chosen for your project team were selected not only for their experience, location, and knowledge, but also because of their immediate availability to the County.

Should workload from the County or other clients increase to a point that existing staff is stretched, CSI has a recruitment program that would be used to bring additional qualified staff on board. In fact, this is what we hope will happen. It is our complete intent to grow the Tallahassee office so as to provide even better service to Leon County. In the meantime, the CSI management system and work ethic is such that we can't envision a situation where we would cause a delay for Leon County in this regard.

We believe you will find CSI to be the ideal size firm to meet the County's needs. CSI is large enough to have the resources to meet the technical demands of the County's projects, yet small enough that the County will always remain a very important client to us. CSI looks forward to the opportunity to demonstrate how effective a professional relationship can be between the County and its engineering consultant. This has been the basis for our success over the past six decades.

In summary, CSI currently has adequate personnel available, both in quantity and quality, to deliver timely projects for Leon County.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Environmental Support
Effect of Project Team Location**

SECTION E

E. EFFECT OF PROJECT TEAM LOCATION.

Dedicated Resources (Tallahassee, Lakeland and Tampa)

It is CSI's intent to provide Leon County with the services described in this RFP from our local Tallahassee Office. Should specific projects require supplemental manpower, specialized technical support or additional administrative assistance, those resources will be provided by the Lakeland and Tampa Offices utilizing the personnel identified Section A. For every project, management and implementation of required tasks will be conducted from the Tallahassee office. This will provide timely and knowledgeable response to the County on projects assigned to CSI.

Mr. Paul Osley, PE will be designated as the Program Manager for the County work. Mr. Osley will be responsible for day-to-day operations on all Leon County projects. Mr. Tom Lewis, our Tallahassee Office Manager, will be assigned as the QA/QC officer. Dr. Jim Chastain, PE, MPH, will serve as CSI's Principal-In-Charge for this contract and has served in this capacity for many years and is familiar with providing technical oversight on projects utilizing new technologies.

After reviewing this RFP, we can emphatically state that CSI has the manpower, the equipment, the professional environmental support services expertise and the desire necessary to provide the services envisioned under this RFP. Additionally, CSI intends to utilize MBWE resources whenever possible as indicated in Section A.

The following is a list of CSI Registered Professionals/Staff in the Tallahassee, Lakeland and Tampa Offices designated to provide Environmental Support Services for Leon County. Please refer to the project team resumes and organization chart presented herein for the various areas of expertise of each professional and their availability.

Tallahassee, Lakeland and Tampa Offices

- Paul Osley, PE, BCEE, CIH, CSP
- Tom Lewis, PG
- Alan Hart, PE
- Jim Chastain, Jr., PhD, PE, MPH
- Steve Dutch, PE
- David Buyens, PE
- Mike Leffler, PE
- Lisa Lassi, PE
- Doug Jones, PE
- Greg Lassi, PG, MPH
- Charlie Browning, PG
- Duff Stump, PG
- Art Wade, PWS
- Robin Losh
- Dan Stump, CHMM
- Beth Blackmon, CIH, MSPH
- Wilson Bull, CIH, MSPH

We take pride in our ability to deliver our services, as promised, to our clients. As such, CSI does not pursue projects or contracts, no matter how desirable, if we know our resources will not support the client in the manner requested. As a Florida based business that has been providing consulting services for over 60 years, we have carefully reviewed the Leon County RFP, and are confident that we can deliver the same level of high quality and effective environmental consulting services to Leon County as we have for the other Clients referenced in this RFP.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Environmental Support
Approach to the Project**

SECTION F

F. APPROACH TO THE PROJECT.

Through experience with similar clients, CSI's basic approach will be to act as an extension of the Leon County Design Staff. CSI will work closely with Leon County to clearly define the services required for a quality product (scope), the timeframe that best meets the needs of the County while providing ample time to complete the project successfully (schedule) and allocation of staff at appropriate levels to complete the project in a fiscally responsible way (budget). This holistic project approach will ensure a high quality, constructible project.

Project Design Team

CSI has provided many of these services under contracts with similar clients throughout Florida. These types of contracts include environmental, stormwater management design services, permitting administration and roadway engineering design services. CSI has put together a strong in-house staff (see organization chart) along with sub consultants that will be able to meet the needs of the County for all aspects of environmental support projects. *CSI's Program Manager, Mr. Paul Osley, P.E.*, has provided environmental engineering services for a wide variety of clients. His areas of expertise include, but are not limited to the following:

- Environmental Engineering, Hazardous Waste and Waste Management
- Underground and Above Ground Tank Assessment
- Asbestos Inspection and Management
- Lead-Based Paint Assessments
- Indoor Environmental Quality Investigations
- Mold and Bio-Hazard Assessment and Remediation
- Ergonomic Assessments
- Environmental Compliance Assessment & Auditing

Mr. Osley has also provided depositions, technical support, and/or expert witness consultation services for more than 50 cases involving a wide range of environmental engineering, safety, and occupational health issues. Mr. Osley will serve extensively as the liaison to the County and will lead all aspects of projects. Mr. Alan Hart, PE, will also serve as the Engineer of Record for all projects.

Management oversight for this contract will be provided by *Dr. Jim Chastain, Jr., P.E., Principal-in-Charge*. Dr. Chastain has a BS in Civil Engineering (honors) and a Master of Engineering from the University of Florida. In addition, he has a Master of Public Health and a Ph.D. from the University of South Florida, both focusing on Environmental and Occupational Health. Dr. Chastain's areas of expertise include the following:

- Water and Wastewater Treatment
- Municipal Engineering
- Regulatory Agency Liaison
- Hazardous Waste Management
- Indoor Air Quality Assessment

- Feasibility Studies
- Risk Assessment and Water Chemistry

Dr. Chastain is the officer of the firm who will be responsible for ensuring the availability of appropriate CSI resources for this project. He has contractual authority for the firm. He will assist Mr. Osley, as needed, with client communication and technical aspects of the project delivery.

Quality Assurance/Quality Control for this contract will be provided by *Mr. Ron Cauthan, P.E.*

CSI Organizational Structure

CSI has chosen to utilize a functional organizational structure for the proposed project team. This structure has been chosen because it has been proven in both theory and practice (based upon our 60 years of experience in providing Civil Engineering Consulting Services) to be the most efficient structural arrangement for a project of this nature. This efficiency is obtained through the structure's simplicity and from organizing personnel by specialty.

Key benefits of CSI's project team organization include the following:

Single Point of Contact. CSI's Local Project Manager, Alan Hart, PE, located in our Tallahassee office, will serve as the single point of contact with Leon County. Channeling communications through this single point of contact will contribute to effective communication.

Clear Definition of Roles, Responsibilities, and Authority. The functional organization provides very clear definition and communication of roles and responsibilities, and also clearly identifies reporting relationships with lines of authority. This clarity enhances productivity because it allows personnel to remain focused on completing their work assignments.

Local Sub Consultants CSI will utilize local consultants to complete any tasks that lie outside of the abilities of our firm. This will not only provide the presence of local knowledge, it will also keep generated revenue at home. CSI will enlist the services of Environmental and Geotechnical Services, Inc. (EGS) for all environmental components, and Archaeological Consultants, Inc. (ACI) for all archaeological components. These local firms have worked with Leon County on numerous occasions and have strong local knowledge that will strengthen the project team.

Independent QC Oversight. Although the Lead Project Manager is responsible for the overall quality of work, CSI's project team structure provides internal independent QC oversight to confirm that quality is not compromised in the quest to meet other project objectives in a timely and cost-effective manner. This is an important system of checks and balances necessary to responsibly manage risk and consistently deliver high quality service and work products.

The CSI Team includes in-house and subcontractor offices at several office locations. Efficient coordination among these offices is achieved by utilizing the connectivity provided by the various parties' network facilities and internet conferencing, which enables programs and files to be shared in real time. This allows reports, design drawings, photo and video images to be shared while reviewing them together by parties at different locations as if sitting side by side.

**UTILITY
ENGINEERING**

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Utility Engineering

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A.3	SF 330s for Outside Consultants <ul style="list-style-type: none">◆ Moore Bass Consulting◆ EGS◆ Registe, Sliger Engineering, Inc.
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**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Utility Engineering
Ability of Professional Personnel**

SECTION A

SECTION A.1 TOTAL NUMBER OF PROFESSIONALS ASSIGNED TO CATEGORY AND AVAILABILITY TO PROVIDE SERVICE ON SHORT NOTICE.

The following information is provided to demonstrate the number of staff members available to provide the professional services requested. A more detailed description of these individuals, showing our proposed **Team Organization Chart, resumes including education, certifications, licenses, professional credentials, and experience**, is presented in the following pages and are specific to the respective work category. Staff members relevant to this contract include:

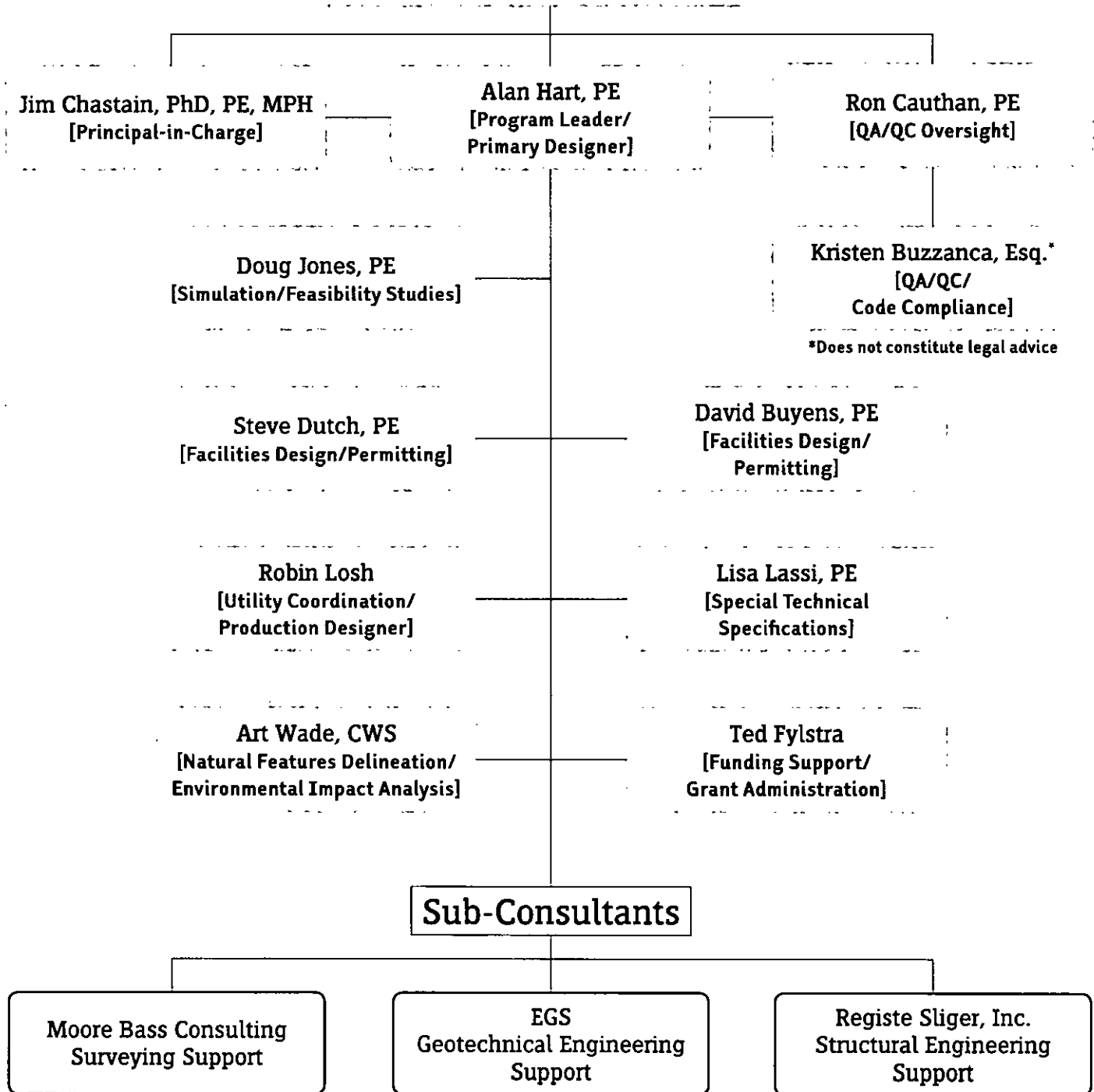
Professional Engineers -	21	Industrial Hygiene Engineer -	1
Professional Geologists -	4	EOHS Specialists -	7
Environmental Scientists -	4	Industrial Hygienists -	3

Of importance to note is that the professional staff mentioned herein who will be working directly on similar County Client projects *combine for over 500 years of service at CSI* performing the specific type of project duties required by Leon County for this contract. Based on current workload, these individuals stand ready to respond to the County's needs to meet both schedule and budget constraints.

UTILITY ENGINEERING ORGANIZATIONAL CHART



LEON COUNTY PUBLIC WORKS





James R. Chastain, Jr. PhD, PE, MPH President

• 40 years with
Chastain Skillman, Inc.

Education:

- University of South Florida
PhD
- University of South Florida
MPH
- University of Florida
ME Environmental Engineering
- University of Florida
BSCE (cum laude)

Other Experience/ Qualifications

- Diplomat/American Academy
of Environmental Engineers
- National Institute of Health/
HSDB Scientific Peer Reviewer

Clients Have Included:

- QA/QC technical reviews
- Data analysis/statistical
analysis
- Water chemistry
- Treatment process design
- Project management

Active Registrations:

- PE/Florida (PE 16277)
- PE/Georgia (PE 12080)

WATER AND WASTEWATER PROCESS DESIGN

Performed master water and wastewater studies including computer simulations for 8 cities/counties and numerous private utilities. Developed proprietary computer program for wastewater process design. Lead designer for bottled water and process water plant design for major grocery distributor, including activated carbon filters, mixed bed deionization, and ozone injection. Design engineer for numerous wastewater treatment facilities up to 4.0 MGD. Design engineer for municipal water treatment plants.

MUNICIPAL AND PUBLIC HEALTH ENGINEERING

Published research on public water system security; provided engineering design for numerous pump station/force main projects for municipal and county clients; developed a wastewater reuse guidance from a public health aspect; interpretation of scientific health studies with application to public water and wastewater systems; Solid waste leachate characterization studies and treatment systems.

CIVIL ENGINEERING

Design oversight and QA/QC tasks for company stormwater and utility designs. Principal in charge of over 50 civil engineering design projects including a 1400 multi-use Development of Regional Impact (DRI) with associated sub-projects.

REGULATORY AGENCY LIAISON

Associated with over 400 system permit applications; assisted clients in resolution of difficult permit situations including representation before state environmental agencies and the EPA/Atlanta as well as Administrative law proceedings

FEASIBILITY STUDIES

Associated with over 100 feasibility studies or facility plans. These plans have included evaluation of alternative engineering designs, net present value/ROI or other economic considerations, institutional feasibility, permit mapping, funding alternatives, and public participation; Principal in charge for over \$50M in grant or subsidized loan funding activities.

RISK ASSESSMENT AND WATER CHEMISTRY

Scientific Peer Reviewer for National Institute of Health/National Library of Medicine Hazardous Substances Databank (HSDB); more than 50 Groundwater contamination assessment and treatment studies; oversee corporate initiatives into evaluation and implementation of new technologies.



Alan Hart, P.E.

Project Manager

- Less than 1 year with Chastain Skillman, Inc.
- 15 years in the Industry

Education:

- Georgia Institute of Technology
BCE Civil Engineering

Areas of Expertise:

- Stormwater Management Facilities
- Stormwater Conveyance Design
- Roadway Design
- Site Development Design
- PD&E Studies
- Watershed Modeling

Clients Have Included:

- Suwannee River Water Management District
- Florida Department of Transportation
- Bay County/Meeks Development
- Summit East Development
- St. Joe Land Company

Active Registrations:

- Registered Professional Engineer (Florida PE #58055)

OVERVIEW

Mr. Hart has over 15 years of experience in the planning, design, permitting, and management of civil engineering projects and related fields, including site and roadway design. He specializes in the design of stormwater management facilities; treatment system design and permitting; roadway design; development, subdivision and street planning and design; and water distribution and wastewater and reuse systems design. Mr. Hart's professional engineering experience includes working with firms that provide services for both the Leon County and the City of Tallahassee. Mr. Hart has worked on major FDOT roadway projects in both the planning and the design phases. He has also worked with numerous private developers on site development design projects.

Prior to joining Chastain Skillman, Mr. Hart was a Senior Project Manager in responsible charge on multiple projects for an engineering consulting firm. He provided services to both Leon County and the City of Tallahassee as the consultant's Project Manager on the projects listed below.

Chastain Skillman proposes Alan Hart, PE, as the Program Manager for this Engineering Services Continuing Services Contract. Mr. Hart has been managing projects successfully for the past ten years. As Program Manager, he will be responsible for the scoping, budgeting and scheduling of each new task assignment. He will be responsible for the design and/or management of each assignment to assure that it complies with the approved objectives, delivery schedule and budget. Most importantly, Mr. Hart will work closely and communicate effectively with the County to assure that the resulting assignment deliverables meet the County's stated objectives.

RAYMOND TUCKER ROAD DRAINAGE PROJECT, PHASE I & II

Project Type: County | **Cost:** \$165,000

Responsible for the existing and proposed conditions model for a 2300 acre drainage basin that flows to Lower Lake Lafayette. Also responsible for the re-design of the cross-drains located beneath Raymond Tucker Road, Golden Pheasant Drive, E. Windwood Way and Weeping Willow Way. During Tropical Storm Faye, these roads were overtopped by stormwater runoff from the storm. The proposed conditions model was developed to determine new size of the cross drains under these roads to alleviate overtopping in a similar future event.



Wallace R. Cauthan, P.E.

Vice President of Civil Engineering

- 31 years with Chastain Skillman, Inc.
- 36 years in the Industry

Education:

- The Citadel
BS Engineering
- FDOT
Bridge Inspection Training
- FDOT
Advanced Maintenance of Traffic Certification

Areas of Expertise:

- Stormwater and Drainage Design
- Roads and Highways
- Municipal Engineering
- Linear Utilities/Water and Wastewater
- Parks and Recreation Projects
- Educational Facilities
- Local, State and Federal Permitting
- Project Management

Clients Have Included:

- Highlands Co. BOCC
- Polk Co. BOCC
- Hardee Co. BOCC
- City of Bartow
- City of Avon Park
- City of Sebring
- City of Frostproof
- Florida Dept. of Env. Protection, Division of Parks and Recreation, Bureau of Design and Construction
- South Florida Community College
- Lowes
- Home Depot
- Habitat for Humanity
- Tanglewood Mobile Home Community (John Greytak)
- Highlands Ridge Associates, Inc.

Active Registrations:

- Registered Professional Engineer (Florida #25763)
(North Carolina #13081)
(Georgia #015837)

HIGHWAYS & DRAINAGE

Served as Civil Project Manager and Lead Civil Engineer on a variety of roadway widening and highway construction projects in Central Florida. Clients have included both cities and counties. These projects have ranged from initial PD&E Studies evaluating roadway corridors to preparation of design and construction drawings. Each of these projects has presented unique permitting issues ranging from threatened and endangered species to noise studies. All of these projects have had drainage related issues of concern. Designed and permitted projects in the South, Southwest, St. Johns and North Florida Water Management Districts. Tasks have ranged from design of the storm water conveyance systems to modeling of the storm water management systems.

COUNTY/MUNICIPAL ENGINEERING

For approximately 15 years served as the County Consulting Engineer for Highlands County. In that capacity served as an extension to the County Manager and County Engineer dealing with a full range of issues that confronted the staff on a daily basis. These assignments could range from dealing with a flooding problem at a local residence to assisting with annual budget development to Commission presentations on engineering topics. Supplemented County staff on the design of miscellaneous intersection and drainage improvements as dictated by their needs. Also served in this role for several small communities in central Florida.

LINEAR UTILITIES/WATER AND WASTEWATER

Civil Project Manager and Lead Civil Engineer on many linear utility projects over the past thirty years. These projects have ranged from relocation of water and wastewater utilities for roadway widening projects to extension of natural gas mains to new industry locating in the area. In addition to design services, these projects included utility permitting and construction management.

PARKS AND RECREATION PROJECTS

Over the last five years designed seven recreation and park projects in Central Florida. These projects have ranged from passive parks on environmentally sensitive tracts to active parks having baseball, softball, football and soccer facilities. Clients have ranged from the Florida Department of Environmental Protection and the Florida Fish and Wildlife Conservation Commission to the Water Management Districts and local municipalities.



Douglas E. Jones, PE

Utilities & Construction

- 14 years with Chastain Skillman, Inc.
- 28 years in the Industry

Education:

- University of South Florida
MSE Environmental Engineering
- University of South Florida
MS Microbiology
- Valdosta State University
BS Biology

Areas of Expertise:

- Water and wastewater treatment process design
- Linear utility collection and distribution design
- Utility permitting
- Construction Engineering

Clients Have Included:

- City of Auburndale
- City of Bartow
- City of Frostproof
- City of Tallahassee
- City of Tarpon Springs
- City of Wauchula
- Polk County Utilities Division
- Toho Water Authority (TWA)

Active Registrations:

- Registered Professional Engineer (Florida #58077)
- Registered Microbiologist (Florida #22602)

WATER AND WASTEWATER TREATMENT PROCESS DESIGN

Project Type: Municipal/Residential/Industrial

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Provided design, construction and/or permitting services for public water and wastewater treatment facilities ranging in size and complexity from 25,000 GPD Sequencing Batch Reactor (SBR) plants units to 13.7 MGD systems. Innovative experience includes retrofitting existing treatment plants for new, open-channel, high-level ultraviolet disinfection systems, filtration, effluent storage and pumping for public access reuse of up to 9.6 MGD. Conventional design experience includes the design of efficient storage ponds, oxidation ditches, secondary clarifiers, filters, Class AA residuals treatment processes, chlorine contact chambers, and ground storage tanks. Designs have been for new construction, retrofits and expansions.

LINEAR UTILITY DESIGN, PERMITTING, AND CONSTRUCTION SERVICES

Project Type: Municipal

Size: Over 300,000 feet of 4" to 30" pipe | **Cost:** \$50,000- \$6 Million

Managed or served as technical lead for transient analysis, modeling, design, permitting, and construction services associated with more than 300,000 linear feet of utility system infrastructure projects including piping, pumps, valves, and other components, including sewer systems. Individual projects have ranged from simple connections of newly developed facilities to existing mains, to the complete design of mains up to 15 miles in length. This has included the identification of appropriate corridors, and interfacing with a wide range of stakeholders that have included project owners, regulatory agencies, the Florida Department of Transportation, utility service providers, and the public. These designs have included pipes up to 30 inches in diameter, as well as associated pump stations up to 8 MGD.

SUMMERBROOK WATER DISTRIBUTION

Project Type: Municipal

Size: NA | **Cost:** NA

Continuous pressure recorders were installed in the system develop data to further calibrate the model, and pin-point trouble areas. The resulting modeling identified issues with an existing well and water tower, and also demonstrated that the meter/service line combination were too small for the large demands at these residences.



Kristen M. Buzzanca, J.D.

Corporate Contracts Administrator

- 2 years with Chastain Skillman, Inc.
- 10 years in Private Practice as Commercial Litigator

Education:

- Stetson University College of Law
Juris Doctor, cum laude
- University of South Florida
BA

Areas of Expertise:

- QA/QC
- Code/Regulatory Compliance
- Civil and Commercial Litigation

Clients Have Included:

- Lake Alfred
- Town of Dundee

Active Registrations:

- Member, The Florida Bar
- Member, Lakeland Bar Association
- Admitted U.S. District Court for the Middle District of Florida
- Graduate of Leadership Winter Haven

QA/QC (QUALITY ASSURANCE/QUALITY CONTROL)

- Review, revise and negotiate contracts
- Review requests for proposals and bid submittals
- Propose alternative structures to mitigate risks
- Monitor all quality related activities on the project
- Prepare project quality system management documentation prior to project commencement
- Review quality inspection personnel qualifications and training requirements
- Recommend and implement improvements when required
- Attend client quality management meetings
- Coordinate all quality related correspondence with client representatives
- Review and respond to client concerns

CODE/REGULATORY COMPLIANCE

- Implement organizational policies, standards and procedures to comply with applicable codes and regulations
- Respond to inquiries from regulatory agencies



Steven A. Dutch, PE

Utilities & Construction

- 16 years with Chastain Skillman, Inc.
- 37 years in the Industry

Education:

- University of Maine
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design
- Linear utility system design
- Stormwater transmission
- Reclaimed water projects
- Effluent disposal projects
- Construction engineering services

Clients Have Included:

- City of Auburndale
- City of Leesburg
- City of Bartow
- City of Frostproof
- City of Lakeland
- City of Lake Alfred
- City of Largo
- City of Tarpon Springs
- City of Temple Terrace
- Polk County

Active Registrations:

- Registered Professional Engineer (Florida #39118)

WATER AND WASTEWATER PROCESS DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$250,000 - \$10,000,000

Principal design engineer for 15 wastewater treatment facilities ranging in capacity from 25,000 GPD to 8.0 MGD and five water plants and supply wells with capacities up to 6,000 gpm. The total construction cost for these facilities exceeds \$130 million.

LINEAR UTILITY SYSTEM DESIGN

Project Type: Municipal/Commercial/Industrial

Size: Over 750,000 feet of 8" to 66" pipe | **Cost:** \$50,000 - \$6 Million

Designed over 50 miles of gravity sewer, from 8 to 36 inches in diameter; over 100 miles of water main, force main, and reclaimed water main from 4 to 66 inches in diameter; and over 120 pump stations from one pump to five pumps, with capacities in excess of 9,000 gpm.

STORMWATER TRANSMISSION

Project Type: Municipal

Size: Over 25,000 feet of 24" to 72" pipe | **Cost:** \$250,000 - \$5,000,000

Responsible for the planning, permitting, and design of major interceptor stormwater lines in developed urban areas including numerous outfall structures.

RECLAIMED WATER PROJECTS

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 5.0 MGD | **Cost:** \$1.25 million - \$6.0 million

Project Manager and Engineer for planning, design and permitting of reclaimed water projects and treatment upgrades to allow for public access reuse. Systems include chlorination, de-chlorination, and ultraviolet disinfection; ground storage tanks up to 3 million gallons; and pumping systems.

CONSTRUCTION ENGINEERING SERVICES

Project Type: Municipal/Commercial/Institutional

Size: over 100 projects | **Cost:** Over \$300 million

Provided construction engineering on water, wastewater, linear utility, and solid waste projects. Services included submittal review, review and preparation of change orders, review of contractor payment requests, enforcement of schedule and quality requirements, and final certification of projects.



David J. Buyens, P.E.

Senior Project Engineer - Lakeland Office - Utilities

- 30 years with Chastain Skillman, Inc.
- 41 years technical and design experience

Education:

- Purdue University
BS Chemistry
- University of South Florida
MS Engineering,
Environmental Concentration

Areas of Expertise:

Expertise includes: permitting, design, and operation/maintenance of potable water supply, treatment, storage, and distribution facilities; wastewater collection, pumping, treatment, and disposal facilities; drainage; street/highway design; and all phases of site development.

Responsibilities:

Senior Project Manager/Engineer for Civil and Environmental Engineering providing feasibility and rate studies, data collections and analysis, pilot plant studies, water and wastewater treatment system design, construction, and supervision. Additional responsibilities include engineering report preparation; preparing grant applications; designing and monitoring state and federally funded projects such as CDBG; rezoning applications; site layout feasibility studies; water/sewer, street drainage, and earthwork design; preparation of contract documents; and contract administration.

Active Registrations:

- Registered Professional Engineer, Florida #30279;
Wisconsin #15746

SITE DEVELOPMENT

Project Type: Commercial/Industrial/Residential/Municipal

Size: 1 acre - 300 acres | **Cost:** \$20,000 - \$100 million

Performed Project Engineer or Project Manager, design and permitting services for commercial, residential, institutional, and industrial land development projects. Design and permitted the non-electrical portion of electrical substations including site evaluation and selection. The scope included site planning of single- and multi-phase projects, utility design, cost estimations, permitting for water, sewer, municipal and county approvals, coordination of for traffic and structural engineering. Coordinated master planning of manifolded off-site forcemain systems in conjunction with the local wastewater utility. Permitted the proposed utilities with the Polk County Health Department, the Florida Department of Environmental Protection, the Florida Department of Transportation, the Army Corps of Engineers, and the local right-of-way municipality or county.

UTILITY DESIGN, PERMITTING, AND CONSTRUCTION

Project Type: Commercial/Industrial/Residential/Municipal

Size: 300 feet - 6 miles | **Cost:** \$20,000 - \$1,500,000

Prepared the design and specifications for utility extensions; permitted such extensions with the local health department or Florida Department of Environmental Protection office; obtained right-of-way use permits from the FDOT, county, or local municipality; administered the bidding and construction of the utility projects; and provided certification/project closure services. Optimized systems performance for the benefit of the utility and client. Provided investigation of underperforming systems and selected from developed options for improvement.

WATER DISTRIBUTION SYSTEM MODELING & PLANNING

Project Type: Municipal

Size: Population 30,000 to 100,000 | **Cost:** \$10,000 - \$200,000

As project manager, evaluated nearly all the municipal water distribution systems in Polk County for fire flow capacity, master planning, or main sizing. Performed both steady state and extended period simulations for current and future years. Estimated improvements for cost and timing and made a recommendation between viable options.



Harry Robert Losh, Jr.

Project Manager - Tallahassee Office

- 25+ years with Chastain Skillman, Inc.
- 41 years in the Industry

Education:

- Polk Community College
AS Pre-Engineering

Areas of Expertise:

- Permit coordination
- Utility and construction coordination
- Roadway and piping system design

Responsibilities:

Project Coordinator for designing streets, drainage systems, water systems, and sanitary sewers; researching existing utility records and coordinating designs with utility companies; completing permit applications (i.e., DOT Driveway and Utility permits, Polk County Utility permits, Septic Tank permits, Water System Construction permits, Wastewater System Construction permits), and coordinating information between governmental agencies, engineering, drafting, and survey departments.

Active Registrations:

- Registered General Contractor - Florida (License #RG0045960) [inactive]
- FDEP Qualified Stormwater Management Inspector
- Certified Asbestos Inspector

CITY OF TALLAHASSEE

Miscellaneous water and wastewater system extensions and relocations associated with roadway projects. Lead designer for Pump Station renovations and piping revisions.

HOLMES COUNTY

Lead Designer for CDBG-funded Rum Road Improvements to include preparation of construction documents for paving, shoulder and drainage improvements for a 3.3 mile long existing clay stabilized road.

CITY OF LAKELAND

Lakeland/Auburndale water system interconnect; misc. water and sewer relocations for F.D.O.T. roadway projects; English Oaks Wastewater Force Main- Approximately 7 miles in length of up to 30" pipe.

BENEFICIAL COMMUNITIES

Lead Designer for 80-unit, single-family residential development in Marianna, Florida including layout and design of roadways and drainage, water distribution system, wastewater collection and pumping system and site grading, permitting and coordination with jurisdictional agencies.

CHIPOLA AIRPARK

Lead Designer for 55-acre private residential air park in Greenwood, Florida including design of combination driveways/taxiways around the perimeter of a grassed runway and associated storm water collection system, and design of water distribution system.

CITY OF AUBURNDALE

Miscellaneous water and wastewater system extensions; Lake Stella walkway; agency coordination; water plant renovation; miscellaneous F.D.O.T. Joint Project Agreement projects; Master wastewater transmission mains supplying new regional wastewater treatment facility.

JACKSONVILLE ELECTRIC AUTHORITY (JEA)

Site grading and drainage and piping layout for Blacks Ford and Ponte Vedra wastewater treatment plant expansions.

CITY OF BARTOW

Effluent reuse force main to new Florida Power Corporation site

TOHO WATER AUTHORITY

Site paving layout, grading and drainage design; plant piping layout



Lisa Strine Lassi, PE, CDT

Specifications & Permitting

- 31 years with Chastain Skillman, Inc.
- 31 years in the Industry

Education:

- University of South Florida
ME
- University of South Florida
BS Civil Engineering

Areas of Expertise:

- Water and wastewater design, permitting, and construction
- Administration of water and wastewater projects

Clients Have Included:

- City of Auburndale
- City of Bartow
- Century Realty Funds, Inc.
- Drummond Coal Company
- Highlands County
- City of Mulberry
- Villages of Highlands Ridge
- City of Avon Park

Active Registrations:

- Registered Professional Engineer (Florida P.E. #44157)
- CSI Certified Construction Documents Technologist

WASTEWATER STUDIES AND DESIGN

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 13.7 MGD | **Cost:** \$250,000 - \$10,000,000

Contributing engineer for design of a new 2.0 mgd Sequencing Batch Reactor wastewater treatment facility. Managed preparation of Operation and Maintenance Manual for regional wastewater treatment facility. Developed wastewater residuals land application management plan. Designed lift station improvements to include conversion from dry well to wet well with submersible pumps. Managed design and construction of pump stations and sanitary sewer rehabilitation.

SPECIFICATION PREPARATION

Project Type: Municipal/Commercial/Institutional/Industrial

Size: NA | **Cost:** \$250,000 - \$10,000,000

CSI Certified Construction Documents Technologist has responsibility for preparing Contract Documents following EJCDC format and technical specifications for all environmental engineering projects. Responsible for maintaining and updating both the EJCDC Construction Documents and CSI Masterformat system. Updates master technical specifications as required to keep current with industry standards.

PERMITTING

Project Type: Municipal/Commercial/Institutional

Size: 0.025 MGD to 8.0 MGD | **Cost:** \$5,000 - \$80,000

Prepared a wide variety of permitting services, including NPDES industrial stormwater and compliance, Water use, Collection systems and pump stations, dredge and fill, and wastewater treatment plants.



Arthur D. Wade III, PWS

GIS Data Management; Wetlands and Habitat Delineation

- 10 years with Chastain Skillman, Inc.
- 16 years in the Industry

Education:

- Florida Southern College
BS Biology

Areas of Expertise:

- Wetlands delineation, mitigation, and permitting
- Gopher Tortoise surveys and permitting
- Seasonal High Water Table (SHWT) determination
- Geographic Information System (GIS) applications
- Wetland monitoring

Clients Have Included:

- ALMY, Inc./ADVIGO
- Central Beef
- Century Realty
- City of Auburndale
- City of Bartow
- City of Eagle Lake
- City of Frostproof
- City of Lakeland
- City of Mulberry
- City of Tallahassee
- City of Wauchula
- Highlands Enhancement, Inc.
- Jacksonville Electric Authority
- Parsons Brinckerhoff Quade & Douglas
- Publix Supermarkets, Inc.
- Polk County
- Ruthven Real Estate
- USS Real Estate

Active Registrations:

- Professional Wetland Scientist (#1799)
- Certified Florida Department of Environmental Protection (FDEP)
- Erosion and Sediment Control Inspector (#11599)
- Gopher Tortoise Authorized Agent (FWC Permit No. GTA-09-00247)

GIS APPLICATIONS

Project Type: Commercial/Residential/Institutional/Municipal

Size: over 500 projects | **Cost:** Over \$150,000

Developed GIS databases and plotted geospatial characteristics using ARCEditor that have involved land development permitting and design, due diligence, utility relocations, and roadway improvement projects. This has included downloading data from the public domain, combining that with empirical data collected during site investigations, and developing data layers to increase the utility of relevant information to improve site design.

WETLANDS DELINEATION, MITIGATION, PERMITTING. AND MONITORING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 0.1 acres - 200 acres | **Cost:** \$3500 - \$50,000

Performed wetlands delineation at more than 100 sites within the South Florida, Southwest Florida, St. Johns River, and North Florida Water Management Districts (WMDs). This included undeveloped and developed sites, and involved close coordination with WMDs and the Florida Department of Environmental Protection. These activities have been conducted in accordance with established Federal and State wetland methodologies. Types of projects supported by these activities have included: commercial and residential land development; municipal water, wastewater, and stormwater utility projects; roadway design; and electric transmission corridor design. Performed site investigation activities to determine SHWT through the use of vegetative, hydrologic, and hydric soil indicators for wetlands delineation.

GOPHER TORTOISE SURVEYS AND PERMITTING

Project Type: Commercial/Residential/Institutional/Municipal

Size: 5 acres - 200 acres | **Cost:** \$5,000 -50,000

Authorized Gopher Tortoise Agent for surveying gopher tortoise habitats, assessing habitat quality, determining potential impacts of development on habitats, and permitting for capture and relocation to suitable alternative habitats.



Ted R. Fylstra

Project Funding Specialist

- 1.5 years with Chastain Skillman, Inc.
- 33 years in the Industry

Education:

- New Jersey Institute of Technology/Newark College of Engineering
- BS Industrial Engineering

Areas of Expertise:

- Funding Strategies
- Funding Research and Analysis
- Funding Application and Agreement
- Grant/Loan Administration
- Grant/Loan Compliance
- Monitoring
- Reporting Requirements
- Client Relations Management
- Audit Assistance

Clients Have Included:

- City of Bartow
- City of Belleview
- City of Fort Myers
- City of Frostproof
- City of Lake Alfred
- City of Marco Island
- City of Plant City
- City of Sarasota
- City of Wauchula
- Sarasota County
- Collier County

FUNDING SERVICES

Project Type: Municipal

Cost: Grants/Loans ranging from \$50,000 to \$140 million for 25+ communities

Grant/Loan Planning and Application Development:

Conduct a series of meetings with community representatives to determine and develop a comprehensive list of community-wide funding needs. Perform a Funding Analysis for this list resulting in a document providing potential funding sources and a strategy to maximize funding opportunities. Presentations to staff and management are conducted to finalize and adopt the plan.

Grant/Loan Application and Agreement:

Gather and collate information, prepare applications, and coordinate required community approvals. Coordinate with the funding agency to assure application is acceptable for the program. Coordinate the community agreement execution process.

Planning Requirements:

When the funding program requires a pre-construction planning process, manage and/or prepare the financial, environmental, technical and non-technical documents required to obtain environmental and financial approval of a project from State and/or Federal agencies. Coordinate the Public Hearing adoption process.

Administration:

Manage and coordinate the administration of the grant/loan with the community staff, consulting engineers, and funding agencies to ensure all agency grant/loan requirements are met, all expenses and revenues are properly reported, and successful audits are accomplished through the preconstruction, bidding, construction, disbursement, reporting, and close-out phases of the project.

Level of Assistance:

In the last ten years, efforts have resulted in excess of \$1.5 billion in funding for clients.



**Utility Engineering
Moore Bass Consulting SF 330**

Moore Bass

C O N S U L T I N G

Moore Bass Consulting, Inc. is an established professional company of engineers, land planners, surveyors, landscape architects, transportation planners, development consultants and experienced support personnel.

Founded in Tallahassee in 1991 by Richard A. Moore, P.E. and Karen K. Bass, P.E., Moore Bass has grown throughout the region to serve a wide range of land development consulting needs with offices in Tallahassee, Destin and Atlanta. Our pledge is to remain focused on each client's needs, assuring the highest measure of project success, from concept planning to construction completion and occupancy.

Moore Bass Consulting provides land planning, zoning, surveying, professional engineering and landscape architecture services for site development, roadway, drainage, water, wastewater and utility needs of both private and public clients. Our professional staff has extensive experience in all types of environmental permitting and civil engineering projects including site design, roadway systems, drainage systems, water distribution systems and sewage collection systems. We have the expertise and resources to respond efficiently to the specialized needs of public agencies and private land development interests.

Our clients include local, state, and federal government agencies as well as military, institutional, and industrial clients. Our design professionals are registered in Florida, Georgia, and Alabama and work regularly with a range of design conditions and permitting agencies. Our record of permitting projects proves that our system of preparation, planning, strategy development, project team organization, and execution yields results.



RELEVANT SURVEY EXPERIENCE

Roadway Design

- Beech Ridge Trail (Killearn Lakes Plantation), Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for roadway design, including topographic surveying/ cross-sections of existing roadways.
Client:	Tallahassee Land Company Trey DeSantis 217 John Knox Road Tallahassee, FL 32303 (850) 385-6363
Completion Date:	August 2009
Project Manager:	Tom O'Steen/ Danny Davis

- Canopy, Welaunee Boulevard, Tallahassee, FL
- Survey for Roadway Design (Welaunee Boulevard) - CNL - 1479.004 - 2010-2011

Scope of Work:	Moore Bass Consulting provided surveying services, including cross-sections, for roadway design (extension of Welaunee Boulevard).
Client:	Rich Properties Jerry Rich 3535 Windsor Place Boca Raton, FL 33496 (561) 994-3005
Completion Date:	March 2006
Project Manager:	Eddie Bass/ Danny Davis

RELEVANT SURVEY EXPERIENCE (Cont'd)

- Capital Walk Apartments, Capital Circle Southwest (Hopkins Crossing), Tallahassee, FL

Scope of Work:	Moore Bass Consulting prepared a boundary and topographic survey for design of an 18-acre (+/-) multi-family development.
Client:	Rich Properties Jerry Rich 3535 Windsor Place Boca Raton, FL 33496 (561) 994-3005
Completion Date:	March 2006
Project Manager:	Eddie Bass/ Danny Davis

- Welaunee (City-owned portion), Welaunee Boulevard, Tallahassee, FL

Scope of Work:	Moore Bass Consulting prepared a boundary and topographic survey for stormwater design on the City-owned portion of Welaunee (428 acres +/-).
Client:	Wood + Partners Shawn Kalbli 612 South Copeland Street Tallahassee, FL 32304 (850) 391-0360
Completion Date:	January 2011
Project Manager:	Danny Davis

RELEVANT SURVEY EXPERIENCE

Traffic and Intersection Design

- Stadium Drive, Florida State University, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for traffic signal design and installation.
Client:	Florida State University Daryl Ellison 109 MMA, FSU Tallahassee, FL 32306-4152 (850) 645-1007
Completion Date:	March 2005
Project Manager:	Danny Davis

- Exeter Road Extension at Capital Circle NE, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for the extension of Exeter Road as part of the Evening Rose Subdivision project. The project included extension of the existing roadway, out to Capital Circle NE and installation of a new traffic signal.
Client:	K2 Urbancorp Dave Wamsley 1626 Cottage Rose Lane Tallahassee, FL 32308 (850) 222-3779
Completion Date:	September 2009
Project Manager:	Eddie Bass/ Danny Davis

RELEVANT SURVEY EXPERIENCE (Cont'd)

- Surgeons Drive Extension, Tallahassee, FL

Scope of Work:	Moore Bass Consulting provided surveying services for the extension of Surgeons Drive as part of the TMH Cancer Center project. The project included extension of the existing roadway, out to Miccosukee Road.
Client:	Tallahassee Memorial Hospital Bill Giudice 1300 Miccosukee Road Tallahassee, FL 32308 (850) 431-5238
Completion Date:	December 2009
Project Manager:	Eddie Bass/ Danny Davis

Years Experience: 28

With Current Firm: 20

Education:

University of Florida,
Gainesville, FL 1983
Graduated with Honors

Professional Registrations:

Florida Professional Engineer, 38745

Georgia Professional Engineer, 22434

Alabama Professional Engineer, 23962

Colorado Professional Engineer, 36029

Professional Organizations:

American Society of Civil Engineers, Past Florida Section Board of Directors, Past Tallahassee Branch President

Florida Engineering Society Member

Leadership Tallahassee Class XXVIII President

Tallahassee Memorial Hospital Board of Directors

General Qualifications

As an Owner and Partner, Mr. Moore has a deep commitment to Tallahassee community involvement ensuring strong working relationships with government and private sector interests.

He has a high level knowledge of trends, policies and ordinances governing land use, land development, roadways, utilities, site design and permitting. Mr. Moore has an extensive background in Engineering Design including; Private and Municipal Roadway and Drainage Systems; Subdivision Design; Drainage Studies and Analysis including design of Regional Stormwater Facilities.

Mr. Moore is experienced in Campus Master Planning; Site Planning and Design including Shopping Centers, Apartment Complexes, Banks, Service Stations, Office Parks and Golf Course Community Planning and Design, Rezoning representation; Comprehensive Plan Amendment and DRI Consulting.

Mr. Moore's Project Management experience includes Contract Administration/Control, Plan Compliance Inspection and Field Supervision, Design of Sewer Collection Systems, Sewer Pump Station and Force Mains systems, Septic Tank and Drainfield Systems, Water Supply and Water Distribution Systems.

Mr. Moore's Permitting experience includes Zoning and PUD approvals 163 Local Government Development Agreements, Traffic and Stormwater Concurrency Approvals, Local Planning and Zoning Department Site Plan Approvals; Subdivision Plat Approvals; Environmental Assessment Approvals; Environmental Impact Analysis Approvals; Environmental Permitting, including: NPDES Permitting, C.O.E. Permitting, Wetland Mitigation/Restoration, F.D.E.P. Dredge and Fill, F.D.E.P. 62-25 Stormwater Discharge, Local Government and Water Management District Stormwater Permitting; Landscaping Permitting; D.O.T. Drainage/Driveway Connection Permitting; and NWFWM Dam Modifications and NWFWM ERP, ACOE LOMA and CLOMA approvals.

Areas of Expertise:

- Land Development Consulting
- Roadway and Drainage Design
- Environmental Permitting
- Project Master Planning
- Project Management
- Contract Administration
- Development Agreements and Zoning
- Governmental Consulting

Representative Projects:

**State Satellite Office Complex for the State of Florida
Department of Management Services - Tallahassee, FL**

Client: State of Florida - Master Plan Phases I-III including Development and Regional Impact for 95 Acre Site; Planned Unit Development for 1.4 Million sq. ft. Office Expansion; Phase III Master Plan and Site Planning; Utility and Infrastructure Master Planning; Preparation of Development Design Standards; and Transportation Planning.

Florida State University - Campus Stormwater - Tallahassee, FL

Client: Florida State University - Phase I, II and III FSU Box Culvert Design; 6,000 ft Box Culverts; Coordination of Utility Relocation; Drainage Modeling; Flood Study; Site Rehabilitation; and Landscaping and Pedestrian Conveyance.

Connor Boulevard, Tallahassee Florida

Client: Piney Z CDD/City of Tallahassee - Four Lane divided cross section from Apalachee Parkway to Trojan Trail including bike and pedestrian plans. Joint City funded / Developer Funded Project.

Market Street, Tallahassee Florida

Client: 3 lane commercial city street from Thomasville Road to Timberlane Road, utilities and stormwater design.

Sharer Road and Allen Way, Tallahassee Florida

Client: 3 lane commercial city street from North Monroe Street to Fulton Road, utilities, mass grading for adjacent commercial site and stormwater design.

Surgeon's Drive, Tallahassee Florida

Client: Tallahassee Memorial Healthcare - 3 lane commercial city street from Miccosukee Road to Physicians Drive including retrofit of existing Physician's Drive segments and design of utilities and storm water conveyance systems. Master storm water facility.

Piney Z Residential Community - Tallahassee, FL

Client: Conner Development - 390 acre Planned Unit Development; Doyle Conner Boulevard Design; Coordinate Major Utility Connections; Sanitary Sewer Pump Station Design; Force-Main Design; and Water System Design.

Summit East Office Community on U.S. 90 East - Tallahassee, FL

Client: Terra Vista, Inc. - Master Plan and Permitting for 116 Acre Commercial/Office Subdivision; Regional Stormwater Facility and Wetland Design; Utility Design and Infrastructure; Entrance and Round-a-bout Design; Entrance Sign, Fountain and Recreational Trail; Landscape Architecture and Irrigation Design; and Common Area Plaza and Boardwalk Design.

Tallahassee Memorial Healthcare - Bixler Emergency Center/Women's and Children's Center & Professional Office Building - Tallahassee, FL

Client: Tallahassee Memorial Healthcare - 100 acre Master Plan for Medical Campus; Develop

Planned Unit Development for 80 acre Medical/Office Campus; New Parking Garage and Surface Parking; Major Utility Design; Stormwater Master Planning; Preparation of Design and Guidelines for Master Plan; and Landscaping and Pedestrian Corridor Design.

Maclay Preparatory School Master Plan and Continuing Services - Tallahassee, FL Client: Maclay School - Master Plan for 100 acre site; Media Center; High School Pod; Master Stormwater Conveyance Design; Soccer Field and Tennis Court Design; Middle School Expansion and Parking Expansion.

Southeastern Urological Center - Centre Point Boulevard - Tallahassee, FL Client: Southeastern Urological Center - Site Planning per DRI Requirements; City of Tallahassee Design Criteria; Handicap Accessibility; Major Utility Design; Landscape Requirements; and Drainage to Master Stormwater Facility.

The Farm Residential Community on Lower Bridge Road - Wakulla County, FL Client: Millard Noblin Realty - 142 Acre Single Family, Multi-Family, Commercial/Office Subdivision; Major Utility Design and Infrastructure; Master Stormwater Facility Design; On-site Sanitary Sewer Pump Station Design; and Common/Open Space with Hiking and Nature Trails.

Killearn Estates Units 25, 39, 40 and 41 - Tallahassee, FL Client: Killearn Properties - Over 200 acres and 4 miles of residential street, utility design, permitting and platting.

Eagle's Ridge at Golden Eagle, Leon County Florida Client: Twin Action Realty - Over 150 single-family residential units, residential street design, central utilities, master stormwater facilities, part of an active DRI.

Golden Eagle Units 5 and 6 Client: Killearn Properties- Over 100 single family residential units, residential street design, central utilities, master stormwater facilities.

Killearn Lakes Plantation Units 5, 6, 7 and 8 Client: Killearn Properties - Over 150 single family residential units, County Maintained roadways, residential street design, central utilities, onsite stormwater facilities.

Community Service:

TMH Board of Directors, 2007-Present

Tallahassee Community College Foundation, Board of Directors, 2001-Present

Leadership Tallahassee, Class XVI, Class Chairman, 1998- Present

Leadership Tallahassee, Board Member 2004-2007, Treasurer 2006-2007

Tallahassee-Leon County Chamber of Commerce, Board of Directors, 1999-2007

Economic Development Council, Board Member, 1996-2007

Leadership Florida Class XXII, 2003-2004

Tallahassee-Leon County Chamber of Commerce, Growth Management Committee Chairman, 2001-2002

	<p>Tallahassee-Leon County Chamber of Commerce World Class Schools, Chairman, 2000-2001 Holy Comforter School Board, Member, 1997-2000 City of Tallahassee Architectural Review Board- Past Chairman, Past Member, 1993-1997 Historic Tallahassee Preservation Board, Past Chair, Trustee, 1996-1997 Leon County Contractor's Licensing Board- Past Chair, Past Member, 1993-1997 Tallahassee-Leon County Planning Department, Zoning Code, Citizens Advisory, 1996 Leon County Code Enforcement Board, Past Chairman, Past Member, 1988-1993 Capital Rotary Club, Past President, Paul Harris Sustaining Member, Member since 1983</p>

Years Experience: 35

With Current Firm: 20

Education:

BS Civil Engineering,
University of Florida

Professional Registrations:

State of Florida,
Professional Engineer,
#31902

State of Georgia,
Professional Engineer,
#20704

State of Alabama,
Professional Engineer,
#23667

State of Mississippi,
Professional Engineer,
#18663

State of Florida,
Certified Building Contractor,
CBC # 1250953

Professional Organizations:

Florida Engineering
Society

General Qualifications

Ms. Bass is a professional engineer with 33 years of consulting and design experience. She is registered in the states of Florida, Georgia and Alabama. Her engineering experience includes stormwater master planning, drainage system design, sanitary sewer collection systems, sewerage pump station design, potable water distribution, urban and rural roadway design, commercial and residential site design planning, development planning and transportation planning. Ms. Bass is also a licensed building contractor in the State of Florida.

Representative Projects:

Bainbridge College, Bainbridge, GA and Blakely, GA

Client: Georgia Board of Regents – Provided schematic design and construction documents for all improvements associated with construction of a Student Wellness Center on the Bainbridge College Campus and a Student Center Addition on the Early County Campus.

Florida State University Master Plan

Client: Florida State University- Planning of campus improvements and negotiation of development agreement with the City of Tallahassee. Scope included coordination of regulatory agencies, development of implementation strategies including entitlements and participation in the public hearing process.

Maclay School Master Plan, Tallahassee, FL

Client: Maclay School Tallahassee Florida- Master Planning of 100 acre school campus. Master Plan scope included traffic analysis, pedestrian and bicycle circulation, bus and vehicle separation, master storm water facilities, overall sanitary sewer and potable water. Managed project from board approval, through entitlements, zoning, construction documents and permitting with the City Of Tallahassee.

Maclay School Media Center and Gymnasium, Tallahassee, FL

Preparation of construction documents and construction administration for quadrangle to include media center and parking associated with new gymnasium.

Griffin Middle School, Tallahassee, FL

Client: Leon County School- Preparation of site construction documents for reconfiguration and separation of bus loop and parent loop. Grading and drainage of new general purpose ball fields.

Gilchrist Elementary School, Tallahassee, FL

Client: Leon County Schools- Preparation of construction documents for addition of turn lane to a public roadway and reconfiguration of interior school circulation to facilitate bus lanes and parent lanes.

Canopy Oaks Elementary, Tallahassee, FL

Client: Leon County Schools - Construction documents for all site improvements associated with construction of a new elementary school. Improvements included sidewalk and pedestrian circulation, car and bus circulation, general purpose playgrounds, utilities and stormwater conveyance and retention systems.

North Florida Community College, Madison FL

North Florida Community College Preparation of construction documents and construction administration for grading and under drain system for competitive baseball field.

Stadium Drive Tallahassee Florida

Client: Florida State University/ City of Tallahassee - Managed the preparation of construction documents including geometry, stormwater, utility and pedestrian design of a multi lane roadway replacing an in service existing urban roadway. Scope of service included site analysis, right of way acquisition, traffic analysis, MOT, intersection design, signal design, construction documents and construction administration utilizing a construction manager delivery.

Woodward Ave, Tallahassee, Florida

Client: Florida State University- Managed the preparation of construction documents for conversion of an existing vehicular roadway to a pedestrian corridor for three city blocks. Scope of service included traffic study, site evaluation, hardscape and landscape design, MOT, construction and bid documents and construction management.

Stormwater Master Plan Florida State University

Client: Florida State University- Prepared a campus wide stormwater analysis of existing stormwater conveyance system. Scope including site analysis of existing conditions, user group input to establish known problem areas and developed priority ranking system for system improvements. Scope included preparation of construction documents for identified improvements, coordination of regulatory agencies and permitting, bid and award of contract and construction administration.

Florida State University Stormwater Improvements

Client: Florida State University - Provided technical design services for Phase 3 drainage improvements within developed areas of campus. The drainage retrofit projects included design services for stormwater pipe upgrades, inventory and analysis of existing utilities and potential conflicts; review special needs program, address public safety and pedestrian circulation requirements. Prepared construction documents for the upgrades which included meeting the safety needs of campus users and special access requirements during construction activity.

Years Experience: 19

With Current Firm: 6

Education:

BS Civil Engineering, Florida State University, 1991

Professional Registrations:

Professional Engineer

Florida - 49400

Professional Organizations:

National Society of Professional Engineers

Florida Engineering Society

General Qualifications

Mr. Wynn is a Professional Civil Engineer with 17 years of experience. This experience offers a broad range of expertise in civil design and permitting while working with state and local agencies. Mr. Wynn's capabilities allow him to perform site planning and design work including residential subdivisions, multi-family apartments and condominiums, commercial retail/offices, as well as industrial. He has also permitted various single family and multi-family residential projects in Leon County and the surrounding areas.

His design experience includes, but is not limited to Project Management, Contract Administration, Plan Compliance Inspection, Field Supervision, Roadway and Drainage Systems, Local and Regional Holding Ponds, Site Planning and Design, Subdivisions, Shopping Centers, Apartment Complexes, Banks, Service Stations, Office Parks, Sanitary Sewer Collection Systems, Sanitary Sewer Pump Station and Force Mains.

Mr. Wynn's permitting experience includes but is not limited to Environmental Permitting, C.O.E. Permitting, DEP Dredge and Fill, FDEP Stormwater Discharge, FDEP Wastewater Collection, FDEP Water Distribution, NPDES Permitting, County/City Stormwater, Tree Removal, Landscape Permits, DOT Drainage/Driveway Connections, NWFMD Dam Modifications, Contractor Supervision and Project Management and Tracking.

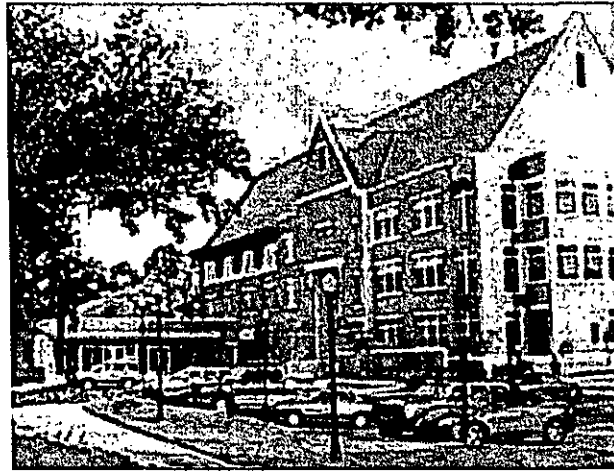
Areas of Expertise:

- Project Management
- Civil Engineering Design
- Stormwater Master Planning and Retention/Detention Design
- City/County Stormwater, Utility Design
- Pump Station and Force Main Design
- Water Distribution Modeling and Design
- Construction Management

Representative Projects:

Site Development (Selected Examples)

Florida State University West Campus Dining Hall-
Tallahassee, Florida Client: Florida State University - Provided Civil Engineering and Site Analysis, Project Management and Construction Administration of the West Campus Dining Hall, a 15,900 square foot facility consisting of a new kitchen/cafeteria with a seating capacity inside the facility of 360 and an additional 2,900 square feet of covered outdoor space to serve the dining facility needs of students, faculty, and staff.



**Florida State University
Psychology Center –
Tallahassee Florida**

Client: Florida State University - Provided Civil Engineering and Site Analysis and Project Management and Construction Administration of a 103,000 square-foot facility for faculty and students. The \$56 million building,

constructed in two phases, features a 220-seat auditorium, 54 faculty and administrative offices, 49 research laboratories including histology and molecular genetics labs, seven meeting rooms, six technology-enhanced classrooms, two student computer rooms, a conference room and a seminar room.

Tallahassee Gymnastics Center - Tallahassee, Florida

Client: EMO Architects – Provided Project Management for site, grading, drainage and utility plan for the 27,000-square foot facility includes a large gym with two competitive floor areas, floor pits and spectator seating for over 230. Other features include a separate preschool gym, dance studio, conference room and kindergym.

Air Traffic Control Tower - Tallahassee, Florida

Client: EMO Architects – Provided Project Management for the last project site grading, drainage and utility plan for Air Traffic Control Tower.

Connor Boulevard, Tallahassee Florida

Client: Piney Z CDD and City of Tallahassee - Provided civil engineering design for roadway project consisting of approximately 2 miles of a four lane, divided, major collector roadway. The extension connects the existing Conner Boulevard to Apalachee Parkway, a major arterial state highway. It also provides public access to two proposed Planned Unit Developments (PUDs) and Lincoln High School. Construction costs exceeded \$4 million and included three wetland crossing, a complex series of stormwater management facilities and a bicycle/pedestrian overpass to connect Lincoln High School with a public park and a bicycle/pedestrian path network.

Blairstone Court

Client: City of Tallahassee – Provided Project Management, Civil Engineering and Construction Administration for retrofitting the streets and drainage system in a private subdivision to meet city public works standards. Developed plans to overlay the existing asphalt paving on the subdivision roads and to extend the drainage system from the existing storm drain in the road to the ultimate outfall point. Some of the repaving included overbuilding the asphalt to redirect sheet flow. Particular effort was given to coordination on properly tying in the existing concrete driveways to the new. In addition, Moore Bass managed the environmental permitting effort

with the City Growth Management Department and confirmed the exempt status with FDEP for NPDES as well as a General Stormwater Permit.

Pump Station 70 at Timber Lake Subdivision

Client: City of Tallahassee – Provided Project Management and Civil Engineering for the relocation of an existing pump station out of a flood plain as well as expanding the pump station capacity for future development from surrounding offsite areas. The detailed work effort included projecting flows for existing and proposed contributing land areas and uses, pump selection and flow calculations, designing gravity and force main sanitary sewer, and FDOT driveway and utility permitting.

Community Service:

Committee to rewrite the City of Tallahassee Environmental Management Ordinance

Committee to revise the review procedures of the City of Tallahassee Development Review Committee

Member/Deacon, North Florida Baptist Church

Years Experience: 31

With Current Firm: 8

Education:

Rickards High School, 1979

Professional Registrations:

Professional Land Surveyor

Florida – 5254

Professional Organizations:

Florida Surveying & Mapping Society

General Qualifications

As a Project Manager, Mr. Davis' duties include managing the activities of various surveying projects. His extensive surveying experience includes legal research and boundary determination, right-of-way mapping, subdivision layout, platting, construction stakeout, and the computer operations to obtain final results.

Mr. Davis has been with Moore Bass Consulting for the last 6 years. Prior to that time, he spent the first 25 years of his surveying career with Broward Davis and Associates (BDA). BDA played an instrumental role in the development of many City, County, and FDOT roadways. Mr. Davis was actively involved in many of these projects.

Areas of Expertise:

- Project Management
- Boundary Surveys
- Large Tract Boundary Surveys for FDEP
- Topographic Surveys
- Section Surveys
- Deed research
- Subdivision Platting
- AutoCAD and Land Desktop
- Control Surveying
- Design, Right of Way, and Construction Surveying
- Right of Way Mapping

Representative Projects:

Boundary and Topographic Surveys (Selected Examples)

• **Tallahassee Memorial Hospital**

Client: Tallahassee Memorial Hospital – Performed field-run boundary and topographic survey, including tree and utility location, of an 84-acre tract, located in Tallahassee, Florida, for future expansion of existing hospital.

• **Black Horse Plantation**

Client: The Marsh Harbor Company, Inc. – Performed a field run boundary and topographic survey, including tree location, of a 115-acre tract, located in Leon County, Florida, for a proposed residential subdivision.

• **San Bonita Farms**

Client: Fred Beshears – Performed a boundary survey and aerial topographic survey, including tree location, of a 407-acre tract located in Gadsden County, Florida, for a proposed residential subdivision.

- **Fallschase**

Client: Lamar Bailey/ AIG Baker – Performed a boundary and topographic survey, including tree and utility location, of a 681-acre tract for residential and commercial site planning. Project located in Leon County, Florida.

ALTA/ACSM Land Title Surveys (Selected Examples)

- **Governor's Crossing**

Client: Konover South – Performed ALTA/ACSM Land Title Survey for two (2) adjacent tracts in Tallahassee, Florida. The two (2) tracts include a Publix shopping center (approx. 6.82 acres) and a BB&T Bank (approx. 1.61 acre).

- **Fallschase Commercial**

Client: AIG Baker – Performed ALTA/ACSM Land Title Survey for a 120-Acre commercial tract located in Tallahassee, Florida, including two (2) large retail buildings with associated utilities, parking, associated roadways, and other improvements.

- **Walgreen's**

Client: Walgreen Co. – Performed ALTA/ACSM Land Title Surveys for three (3) newly constructed Walgreen's stores located in Tallahassee, Florida, including associated utilities, parking, and other improvements.

- **West 10 Apartments**

Client: West 10 – Performed an ALTA/ACSM Land Title Survey for an apartment complex located in Tallahassee, Florida, including associated utilities, parking, and other improvements.

- **Steak 'n' Shake**

Client: Steak 'n' Shake Corp. – Performed an ALTA/ACSM Land Title Survey for a newly constructed restaurant located in Tallahassee, Florida, including associated parking, utilities and other improvements.

- **Seminole Suites**

Client: Hal Marston – Performed an ALTA/ACSM Land Title Survey for a newly constructed apartment complex located in Tallahassee, Florida, including associated parking, utilities, and other improvements.

- **Holiday Inn**

Client: Murphco – Performed an ALTA/ACSM Land Title Survey for a 3-story hotel and associated improvements, located in Tallahassee, Florida.

- **Wendy's Restaurant**

Client: Wendy's International – Performed an ALTA/ACSM Land Title Survey for a Wendy's restaurant, with associated improvements, located in Leon County, Florida.

- **Place Properties**

Client: Place Properties – Performed ALTA/ACSM Land Title Survey

for a 12.2-acre parcel located in Tallahassee, Florida. This project involved in depth research into easements, encumbrances, and various deeds.

Construction Stakeout and As-built Surveys (Selected Examples)

- **Bannerman Crossing**

Client: Team South Construction – Performed stormwater, water, and sewer as-built surveys for a large retail shopping center with multiple outparcels, located in Tallahassee, Florida.

- **Call Street Drainage Improvements**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements at the intersection of Call Street and Cadiz Street for the City of Tallahassee. Performed stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Greystone Subdivision**

Client: Ben's Site Development – Performed construction stakeout for proposed roadways, utilities, grading, etc. for residential subdivision located in Leon County, Florida. Also performed stormwater, water, and sewer as-built surveys of constructed improvements.

- **Connie Drive**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Meginnis Creek**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Tartary Drive**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements along Tartary Drive for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Cloudland Drive**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements along Cloudland Drive for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Tallahassee Regional Airport**

Client: Allen's Excavation – Performed construction stakeout for drainage improvements at the Tallahassee Regional Airport for the City of Tallahassee. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of

Tallahassee specifications.

- **The Tennyson**

Client: Yates Construction – Provided construction stakeout services for a 15-story high-rise condominium, located in downtown Tallahassee, Florida. Also prepared a condominium survey for recording within the Declaration of Condominium.

- **Plaza Tower**

Client: Plaza Tower, LLLP – Provided construction stakeout services for a 23-story high-rise condominium located in downtown Tallahassee, Florida. Also prepared a condominium survey for recording within the Declaration of Condominium.

- **Capital Walk**

Client: Rich Capitol, LLC – Provided construction stakeout services for a 17-acre apartment complex located in Tallahassee, Florida. Also prepared stormwater, water, and sewer as-built surveys per City of Tallahassee specifications.

- **Alexan Southwood Apartments**

Client: Trammell Crow Residential - Provided construction stakeout services for a 34-acre apartment complex located in Tallahassee, Florida. (Currently under construction.)

- **Governor's Crossing Publix Shopping Center**

Client: Crowder Excavating - Provided construction stakeout services for a 6-acre shopping center located in Tallahassee, Florida. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.

- **Hampton Creek Subdivision**

Client: Linderand - Provided construction stakeout services for a 46-acre residential subdivision located in Leon County, Florida per City of Tallahassee and Leon County specifications.

- **McDonald's**

Client: Adams Engineering – Provided construction stakeout services for a new McDonald's restaurant located in Leon County, Florida. Also prepared stormwater, water, and sewer as-built surveys of constructed improvements per City of Tallahassee specifications.



Thomas C. O'Steen R.L.A.

Urban and Regional Planner Landscape Architect

Years Experience: 28

With Current Firm: 11

Education:

Florida State University,
M.S. Urban and Regional
Planning, 1988
University of Florida, B.S.
Landscape Architecture,
1982

**Professional
Registrations:**

State of Florida,
Landscape Architect, #
0000981

State of Alabama,
Landscape Architect,
#638

State of Georgia,
Landscape Architect,
#1512

**Professional
Organizations:**

American Society of
Landscape Architects;
Urban Land Institute

General Qualifications

Mr. O'Steen is an urban and regional planner as well as a registered landscape architect. Mr. O'Steen has nearly 30 years of experience in the areas of site planning, landscape architecture and urban planning. His many varied projects include property analysis, local permitting, and land-use planning. His special areas of interest include growth management and urban planning issues. He has served as Growth Management Consultant for the Tallahassee Chamber of Commerce directing the Growth Management and Governmental Affairs committee work on related land development issues.

Mr. O'Steen has extensive experience in overall Project Management, Comprehensive Plan Amendments, Master Planning, Planned Unit Development (PUD), Site Planning and Design, Environmental Permitting, Construction Administration, Plan Compliance & Local Government Coordination.

Areas of Expertise:

- Urban and Regional Planning
- Master Planning
- Comprehensive Plan Amendment
- Project Management
- Landscape Architecture
- Contract Administration

Representative Projects:

Regional Center Office Park

Client: Parrish Group - Prepared rezoning applications, and performed Master Planning of a 32 acre Office Park / +/- 280,000 gsf of office space. Prepared conceptual plans, construction documents and permit applications to construct the individual projects within this development.

Fallschase

Client: AIG Baker - Prepared documentation for the Development of Regional Impact Notice of Proposed Change (DRI-NOPC). Prepared Fallschase Development Review Process Manual and prepared exhibits for multiple Public Hearings. Prepared the Planned Unit Development application in 2006 to allow current development of +/- 700,000 gsf of commercial space and +/- 1,500 residential units.

Tallahassee Memorial Healthcare

Client: Southeast Community Health Services, Inc. - Work for this project included the coordination with the City of Tallahassee for the land planning for medical office development east of Goodwood Plantation, preparation of a Planned Unit Development and assistance in development of a 163 Agreement. Creation of a set of design guidelines to address the planned medical campus expansion and the integration of the proposed medical office lands, extension of

Surgeons Drive, and remote employee parking lot. These projects all include permitting with the City of Tallahassee through the Site Plan Review and Environmental Management Permitting process.

State of Florida, University System Master Plan

Client: Florida State University -Primary contact for Florida State University with regard to Master Planning Worked frequently with the university system to prepare site analysis, permitting investigation and conceptual site plans for the 200,000 square feet *Florida National High Magnetic Field Laboratory*, the nations' only center for research in high magnetic field technologies. In addition, served as project manager for the site development plan and produced the landscape plans for the facility incorporating the previous site work with the proposed improvements. Other university system projects have included the Florida State University stadium expansion and Academic/University Center.

Smith Property - Governors Crossing

Client: Smith Interest General Partnership - Planning, design and permitting of 25 +/- acre development of the four corners intersecting at Park Avenue and Blair Stone Road. Preparation of work for Amendment to the 163 Amendment.

Smith Property - Governors Marketplace -

Client: Smith Interest General Partnership - Development of the Exhibits for a 163 Agreement with the City of Tallahassee to develop a 30 acre parcel between Park Avenue and Governors Square Boulevard. Performed planning, design and permitting of +/- 320,000 gsf retail commercial shopping center.

Gateway Beautification, City of Tallahassee (Leon County) - (individual experience)

Client: City of Tallahassee - Led a joint venture design team for landscape enhancement of twelve major transportation corridors leading to downtown Tallahassee. The project included signage, irrigation, and planting intervals which would meet Florida Department of Transportation requirements, while providing a coherent image inviting travelers to the Capitol complex.

Gaines Street Revitalization (individual experience)

Client: City of Tallahassee - Acted as liaison between Florida State University for the City of Tallahassee for development of streetscape, and pedestrian improvements along Gaines Street - the southern boundary of the FSU Campus. Also provided design direction for pedestrian improvements along the corridor to incorporate road crossings, parking / street interface / campus entrance design.

Adams Street Pedestrian Improvements - (individual experience)

Client: City of Tallahassee - Served as Project Manager for development of streetscape improvements in downtown Tallahassee for Adams Street Common. The design for this corridor - directly north of the State Capitol, provided hardscape design for sidewalks and street pavement to continue vehicular traffic while incorporating design elements of pavers, landscape materials and street furnishings for this area that is commonly used for city street celebrations.

Chipola River Corridor Study – (individual experience)

Client: Jackson Counties - Prepared a conceptual land use plan for a privately held +/- 6,000-acre parcel along the Chipola River in Jackson and Calhoun counties. A further phase one preliminary subdivision plan was prepared for the northern 300 acres and included institutional, recreational and residential properties.

Miccosukee Road – Phase I – (individual experience)

Client: Leon County Public Works - Served as project landscape architect for the widening of Miccosukee Road from Capital Circle to Teal Lane – approximately one mile of road. Duties included the production of conceptual design, coordination with County engineering staff on tree protection / removal and permitting with the City of Tallahassee.

Blair Stone Road – (individual experience)

Client: City of Tallahassee Public Works - Served as project landscape architect for Blair Stone Road, legs 2, 3 & 4. Prepared conceptual plans and construction drawings as well as coordinated plant materials and hardscape improvements, including sound walls to screen adjacent neighborhoods. Also, prepared a project Visual Design Guidelines document with RPA Group for the Blair Stone Corridor.

Community Service:

Tallahassee Area Chamber of Commerce

Blueprint 2000 Citizens Advisory Committee, Vice-Chairman 2007-2008

Economic and Environmental Consensus Committee

State of Florida

Department of State

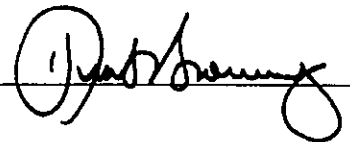
I certify from the records of this office that MOORE BASS CONSULTING, INC. is a corporation organized under the laws of the State of Florida, filed on August 1, 1991.

The document number of this corporation is S70049.

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

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

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



Secretary of State



Authentication ID: 000197412550-031011-S70049

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

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

Licensee Details

Licensee Information

Name: **Moore Bass Consulting, Inc. (Primary Name)**
(DBA Name)
Main Address: **805 North Gadsden Street**
TALLAHASSEE Florida 32303
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Certificate of Authorization**
Rank: **Cert of Auth**
License Number: **6108**
Status: **Current,Active**
Licensure Date: **09/19/1991**
Expires: **02/28/2013**

Special Qualifications Qualification Effective

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

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Licensee Details

Licensee Information

Name: **MOORE, RICHARD ALAN** (Primary Name)
(DBA Name)
Main Address: **MOORE BASS CONSULTING, INC.**
805 N. GADSDEN ST.
TALLAHASSEE Florida 323030000
County: **LEON**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **38745**
Status: **Current,Active**
Licensure Date: **08/10/1987**
Expires: **02/28/2013**

Special Qualifications **Qualification Effective**

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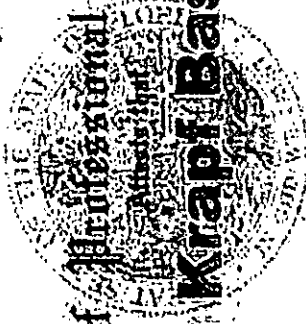
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850.487.1395

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State of Florida

Board of Professional Engineers



Karen Kraft Bass, P.E.

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION: 2/28/2013
AUDIT NO: 228201318512
P.E. LIC. NO: 31902

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ#109093001795

DATE	BATCH NUMBER	LICENSE NBR
09/30/2009	098063127	LC0000310

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

MOORE BASS CONSULTING INC
805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

AC# 4632381

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
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805 NORTH GADSDEN STREET
TALLAHASSEE FL 32303

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY



Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: LB7245
Expiration Date: February 28, 2013

Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

MOORE BASS CONSULTING INC
805 N GADSDEN STREET
TALLAHASSEE, FL 32303

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS5254**

Expiration Date: February 28, 2013

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

LARRY D. DAVIS
805 NORTH GADSDEN STREET
TALLAHASSEE, FL 32303

ADAM H. RUTNAM
COMMISSIONER OF AGRICULTURE

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Utility Engineering
EGS SF 330

EGS

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Thomas H. Hayden, P.E. **Geotechnical Engineering**

Professional Credentials:

Bachelor of Science, Civil Engineering, University of South Florida, 2003
Professional Engineer in Florida

Professional Organizations:

American Society of Civil Engineers – 2008 President Tallahassee Chapter – 2008-2010 FAMU/FSU College of Engineering Student Chapter Liaison – 2009 Young Engineer of the Year

Florida Engineering Society – 2008-2009 K-12 Education Committee - 2006-2008 Math Counts Committee – 2009 Florida Engineering Leadership Institute Graduate

Geotechnical Materials Engineers Council

Special Qualifications:

- Over 10 years of Geotechnical design and investigation experience, including roadway studies, stormwater design, pavement design, and materials engineering
- Familiarity of FDOT Geotechnical Standards
- CTQP/ACI Certifications: Aggregate Field and Laboratory Testing Technician, Asphalt Plant Technician – Levels I and II, Field Sampler Technician, LBR Technician, Concrete Field Technician – Levels I and II, Concrete Laboratory Technician – Level 1, Quality Control Manager, Concrete Transportation Construction Inspection, Advanced Maintenance of Traffic Inspector and FDEP Erosion Control Inspector

Years Experience with EGS: 7; Years experience with other firms: 3

Relevant Experience:

GPI Southeast, Inc., Proposed Longleaf Development, Stormwater Treatment Facilities, Wakulla County, FL – Performed subsurface investigation of the proposed Longleaf Development. Provided client with subsurface conditions, encountered groundwater and estimated “normal” seasonal high groundwater, design infiltration rates, and anticipated construction considerations.

Carollo Engineers, Lake Bradford Road Wastewater Treatment Facility, Tallahassee, FL – Performed subsurface investigation of the proposed roadway and parking improvements at the Lake Bradford Wastewater Treatment Facility. Provided the client with design and reuse recommendations for each material STRATA encountered throughout project.

Florida Department of Transportation, District 3, SR 97 Pavement Core and Condition Survey, Escambia County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 97 in Escambia County, Florida. Provided the District with the types of pavement failure encountered, anticipated construction considerations, and design recommendations.

Florida Department of Transportation District 3, SR 61 Pavement Condition Survey and Design, Leon County, FL – Performed a detailed Pavement Core and Condition Survey of the existing roadway along SR 61 (North Monroe Street) at the proposed Lake Jackson Eco-Passage. Provided the client with compaction characteristics of the existing embankment material as well as design recommendations for the proposed pavement.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

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

Geotechnical Engineering

Professional Credentials

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

Professional Organizations

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

Special Qualifications

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

Years Experience with EGS: 19

Years Experience with Other Firms: 18

Relevant Experience

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

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

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

Relevant Experience, cont.

SR 95 (US29/Pensacola Blvd) From SR 8 (I-10) to 0.5 Miles North of SR 10 (US 98), FDOT District 3, Escambia County, FL (FDOT FPN 2186031-1-32-01) – The projects consisted of conducting the geotechnical studies for the roadway widening of SR 95 from 4 lanes to 6 lanes. The investigation included the analysis of subsoils for lane additions, culvert installations, storm sewer installation, mast arm signalization and retaining wall installation. Also included was the Geotechnical investigation for bridge widening, MSE walls, and the slope stability analysis of embankment areas.

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

SR 202 Reconstruction from West of Kernan Blvd. to San Pablo Road, FDOT District 2, Duval County, FL (FDOT FPN 209733-4-52-01) - Conducted the geotechnical investigation for the widening of SR 202 from 4 to 6 lanes in Duval County, Florida. The geotechnical studies included roadway reconstruction, pavement design, bridge widening, culvert extensions and stormwater ponds. Duties included conducting a reverse engineering study to determine the type, loads and depths of foundations for an overpass bridge on I-95 where there were no bridge plans and construction records available.

EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

Judith M. Hayden, P.E. Environmental Engineering

Professional Credentials

Bachelor of Science, Education, University of Dayton, 1971

Bachelor of Science, Civil Engineering, Oklahoma State University, 1977

Master of Science, Civil Engineering, Kansas State University, 1979

Professional Engineer in Florida

Professional Organizations

American Society of Civil Engineers, Past President of Big Bend Chapter, Past Engineer of the Year of Big Bend Chapter

Florida Engineering Society, Past President of Big Bend Chapter, 2007 Engineer of the Year of Big Bend Chapter, Elected Fellow

American Public Works Association

National Society of Professional Engineers

Florida A&M University / Florida State University, Civil Engineering Advisory Committee

Special Qualifications

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

Years Experience with EGS: 18

Years Experience with Other Firms: 12

Relevant Experience

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

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

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

Judith M. Hayden, P.E.

Relevant Experience, cont.


Rum Road over Parrot Creek Bridge Replacement, Holmes County, FDOT District 3 – Served as project manager for environmental permitting for the replacement of the one-lane bridge on Rum Road with a two-lane structure on a new alignment. Prepared and obtained the environmental permits required by the Florida Department of Environmental Protection and the US Army Corps of Engineers for the bridge replacement. The project was on an emergency accelerated schedule due to the bridge failure as a result of storm damage.

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




This certifies that
**ENVIRONMENTAL AND GEOTECHNICAL
SPECIALTIES, INCORPORATED**
is recognized as a
Minority/Women-Owned Business Enterprise
under the
**City of Tallahassee and Leon County
Consortium Interlocal Agreement**

For a period of one (1) year beginning:
May 18, 2010 to May 31, 2011



MBE Administrator



Certification Specialist



**Utility Engineering
Registe, Sliger Engineering, Inc. SF 330**



Registe, Sliger Engineering, Inc.

CIVIL, STRUCTURAL, AND WATER RESOURCES

1427 North Bronough St. Tallahassee, FL 32303

PHONE: (850) 894-4521 - FAX: (850) 224-0505

Jacques Registe, PE

Senior Structural Engineer, President

Mr. Registe is a civil engineer for Registe, Sliger Engineering, Inc. with more than 24 years of experience in both the general civil and structural engineering fields including roadway and bridge design, drainage design and permitting. Mr. Registe's engineering experience includes the preparation of design and permit documentation for many projects throughout the State of Florida. His professional experience has been acquired through multiple project responsibilities involving comprehensive analysis, engineering and design tasks for both roadway and bridge projects. His years of experience have been almost exclusively in the State of Florida where Mr. Registe enjoys an exemplary reputation for quality and on-time work.

Mr. Registe is responsible for the design, plans production and preparation of construction documents for all highway and bridge design projects at Registe, Sliger Engineering. He coordinates engineering tasks with his design staff adhering to schedules and budgets established for each project.

Education: M.S. Civil Engineering, 1989
FAMU/FSU, Tallahassee, Florida
B.S., Civil Engineering, 1985
FAMU/FSU, Tallahassee, Florida

Registrations: Florida PE #43397
Georgia PE #27712

Detailed Project Experience

Florida's Turnpike Widening (Boca Raton Interchange to Atlantic Blvd), Florida – Project Highway and Bridge Engineer for this project which involved the design of 5.3 miles of Turnpike widening from 4 to 6 lanes including redesign of the Boca Raton Interchange, a 35 year old interchange, to current design standards. A new bridge was designed at the interchange to span the widened Turnpike. The project also called for a new bridge design at Clint Moore Road, which required a special designed temporary bridge and widening of two additional structures to carry the extended Turnpike roadway.

Bridge Replacement Projects, Group 09-3, FDOT, Florida – Project Manager for both the new bridge replacement tasks required for the projects in Group 09-3. Work includes the preparation of Typical Section Packages, Drainage and Bridge Hydraulics Reports, roadway and bridge design and plans preparation, utility relocation plans and the development MOT.

CR 269 over the CSX Railroad, Chattahoochee, FDOT, Florida – Project Engineer for both the 3,000 feet of new roadway on a new alignment and a bridge over the CSX Railroad in Chattahoochee, Florida. Responsible for roadway geometry design and plans preparation, design of an enclosed drainage system, retention pond designs, utility relocation plans and maintenance of traffic plans preparation. *Additional* tasks include assisting the FDOT with permit application requirements and review of the bridge plans over the CSX Railroad.

SR 60 Bridge Replacements, Osceola County, Florida – Served as Project Engineer for the roadway and bridge engineering tasks on the project. Work included roadway reconstruction of 500m to both ends of the two new bridges being designed under this contract. Mr. Registe was responsible for all design and plans preparation for the project.

SR 4 Bridge Replacement over Escambia River, FDOT, Florida – Provided preliminary and final design calculations and was responsible for the development of construction plans for this bridge replacement project. Produced and/or checked the designs and details of all the structural elements and prepared the computer program input and analyzed the output for geometry, grades, foundations and girder programs. Also generated the final detailed contract plans and material estimates.

Professional Affiliations

American Society of Civil Engineers
American Society of Highway Engineers

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

8

21. TITLE AND LOCATION *(City and State)*

Florida River Island Bridge
Liberty County, Florida

22. YEARS COMPLETED

PROFESSIONAL SERVICES
2007

CONSTRUCTION *(If applicable)*
2008

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

N.W. FL. Water Management District

b. POINT OF CONTACT NAME

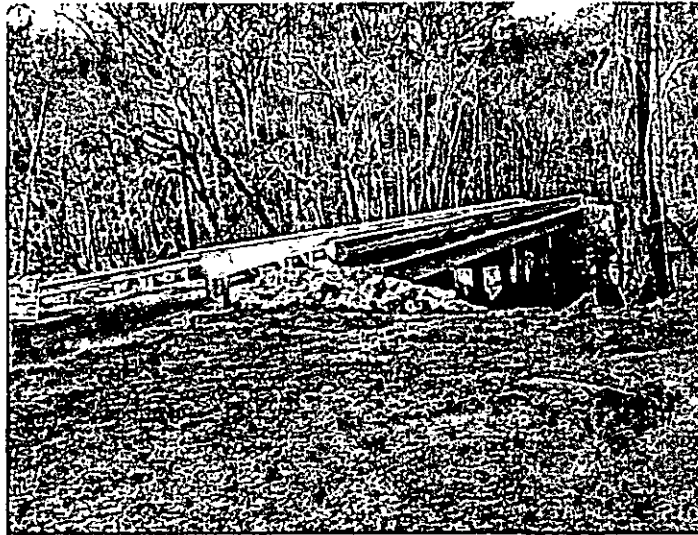
Bill Cleckley, NFWFMD, Havana, FL

c. POINT OF CONTACT TELEPHONE NUMBER

850-539-5999

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Project involved designing a 165 ft bridge over the Florida River Island. RSE also provided CE&I for the project. Jacques was the engineer of record for the structure.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

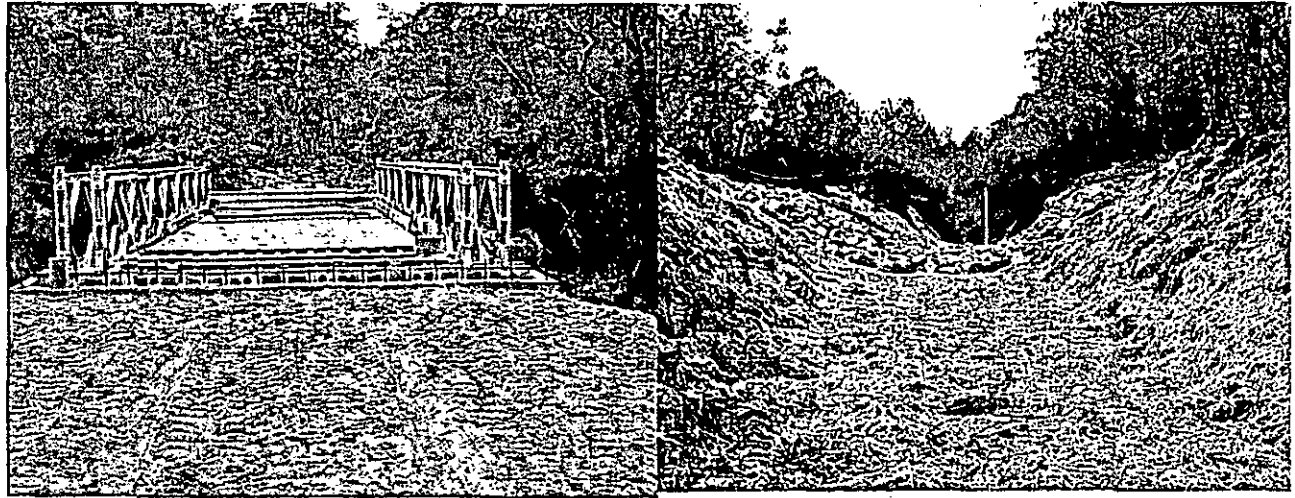
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engr.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 10
--	--------------------------------------

21. TITLE AND LOCATION <i>(City and State)</i> Sand Hill Lakes Mitigation Bank Bridge and Culvert Design	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(if applicable)</i> 2007

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Northwest Florida Water Management District (NFWFMD)	b. POINT OF CONTACT NAME Bill Cleckley	c. POINT OF CONTACT TELEPHONE NUMBER 850-539-5999

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*
 Project involved designing 3 low water crossing bridges and 2 box culverts. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

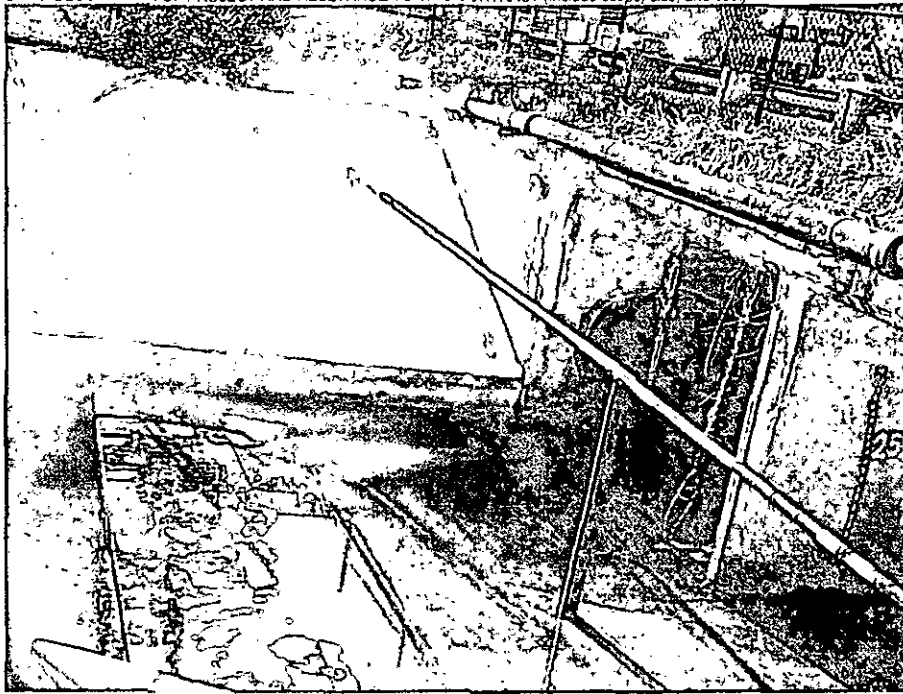
20. EXAMPLE PROJECT KEY NUMBER
3

21. TITLE AND LOCATION <i>(City and State)</i> Meginnis Culvert and Headwall Design	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(if applicable)</i> 2007

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Tallahassee	b. POINT OF CONTACT NAME Bob Mosher, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 850-891-6860
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, Fl 32303	Design firm
b.			
c.			
d.			
e.			

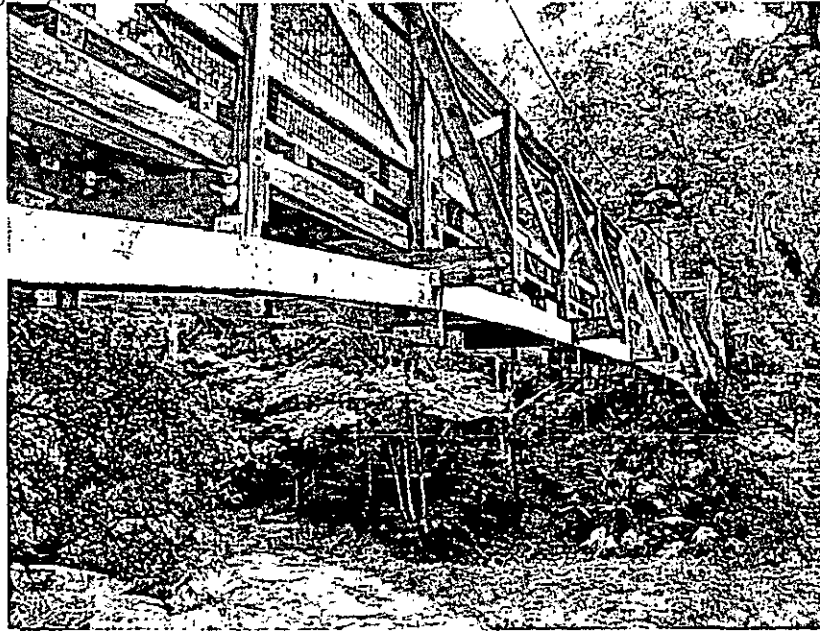
F. EXAMPLE PROJECTS WITH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 7
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21. TITLE AND LOCATION <i>(City and State)</i> Ravine Gardens State Park, Palatka, Florida	22. YEARS COMPLETED	
	PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(If applicable)</i> 2005

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER FL. DEP Parks and Recreation Services	b. POINT OF CONTACT NAME Chick Savering	c. POINT OF CONTACT TELEPHONE NUMBER 850-488-5372
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*
 Project involved designing a 100 ft pedestrian suspension bridge. We also provided construction and inspection services for the project.



19. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	Registe, Sliger Engineering, Inc.	1427 N Bronough St., Tallahassee, FL 32303	Design firm
b.			
c.			
d.			
e.			
f.			



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Utility Engineering
Experience with Projects
of a Similar Type and Size**

SECTION B

B.1 LIST OF PROJECTS IN WORK CATEGORY ILLUSTRATING EXPERIENCE AND CURRENT STAFF ASSIGNMENT.

Utility Engineering Projects

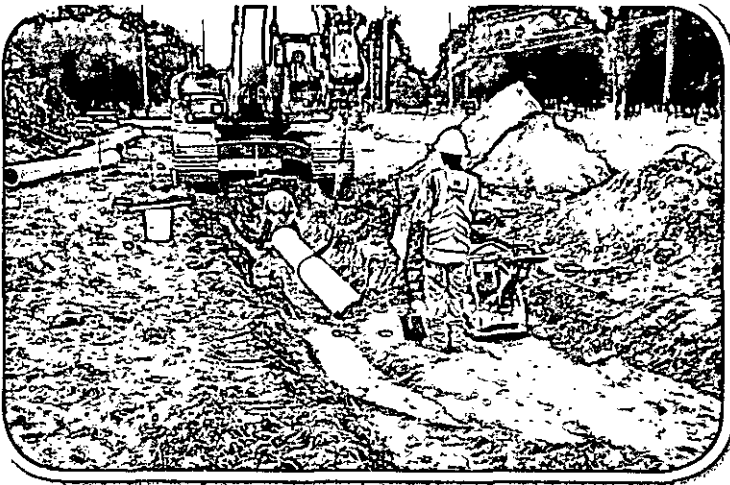
Provided below is a representative listing of projects outlining CSI's experience in the Utility Engineering work category. In addition, project summaries are provided in the following pages addressing the specific information requested in this section.

Client	Project Name	Staff Assignment / Project Manager
City of Auburndale	Utility Relocations	Steve Dutch, PE
City of Auburndale	Gapway Road Force Main	Paul Bizier, PE / Robin Losh
City of Lakeland	English Oaks Pump Stations	Jim Chastain, PE
City of Lakeland	US 98 Utility Relocation	Jay Curtis, PE / Robin Losh
City of Tallahassee	US 90 Force Main	Robin Losh
City of Tallahassee	Capital Circle Water Relocations	Steve Dutch, PE / Robin Losh
City of Tarpon Springs	Carlton Road Lift Station Upgrade	Steve Dutch, PE
City of Tallahassee	Summerbrook Water Distribution	Doug Jones, PE
City of Frostproof	Sewer System Rehabilitation	Steve Dutch, PE
City of Frostproof	Treatment System Phased Improvements	Steve Dutch, PE

UTILITY RELOCATIONS

Auburndale, FL

Professional Services:	Design & permitting of relocation of water and wastewater utilities, including service during construction, bid phase services and construction observation services
Project Scope:	Reconstruction and widening of approximately 1/2 mile of roadway, including storm sewers, sidewalks and signalization, as well as relocation of multiple underground utilities
Project Owner:	City of Auburndale P.O. Box 186, Auburndale, FL 33823
Project Manager:	Steve Dutch, PE
Point of Contact:	John Dickson, Public Utilities Director 863.965.5511
Year Completed:	Construction: 2009 Professional Services: 2007
Professional Fee:	\$73,000
Construction Cost:	\$1,050,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Civil Engineering



BRIEF DESCRIPTION

In November 2007, the City of Auburndale authorized Chastain-Skillman Inc. (CSI) to proceed with engineering services associated with the relocation of existing potable water and wastewater mains within Berkley Road (CR 655) to accommodate roadway improvements between Granada Road and Braddock Road.

The project includes the relocation of:
2,500' of 6" through 12" PVC and DIP potable water main;
and 2,940' of 14" and 6" PVC force main.

The utility relocations were constructed under a Joint Project Agreement (JPA) between the County Transportation Department and Utilities Department. CSI provided utility design and permitting during the design of the roadway plans. CSI provided resident construction project representative to observe the utility relocations.

GAPWAY ROAD FORCE MAIN

Auburndale, FL

Professional Services:	Property acquisition assistance. Design, Permitting, and Bid phase services, Construction observation services
Project Scope:	Approximately 5.8 miles of 16-, 12- and 10-inch force main, including directional bore wetland crossings, jack and bore roadway crossings, and easement acquisition
Project Owner:	City of Auburndale PO Box 186, Auburndale, FL 33823
Project Manager:	Paul Bizier, PE; Robin Losh
Point of Contact:	John Dickson 863.965.5500
Year Completed:	Construction - 2007 Professional Services - 2006
Professional Fee:	\$170,000
Construction Cost:	\$1,600,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

BRIEF DESCRIPTION

During the early 2000's, growth in the northern service areas of the City of Auburndale was leading to capacity issues with existing wastewater collection and conveyance systems. In response, a planning study completed by Chastain-Skillman, Inc. (CSI) for the City of Auburndale recommended the design of a major force main to convey wastewater from these areas to the Regional Wastewater Reclamation Facility. This would alleviate loads to the Allred WWTP and the existing collection systems.

Based on the recommendations, CSI was retained by the City to design the proposed force main, which consisted of over 12,000 lineal

feet of 16-inch main, as well as gravity connections to the Master Lift Station and other smaller tributary lines. The installation required design of a major force main in a constrained right-of-way (State Road 559) parallel to an existing high pressure gas main. Special precautions were necessary during both design and construction to protect this utility installation. The design also had to consider future plans by Polk County to widen and relocate roadways along much of the force main route. The City and CSI worked closely both with existing landowners and Polk County Transportation Department to install the force main in a permanent location which would not impede future development or roadway construction.

ENGLISH OAKS PUMP STATIONS

Lakeland, FL

Professional Services:	Utility Engineering
Project Scope:	Construct new lift stations and 12,000 feet of sanitary force mains
Project Owner:	City of Lakeland 228 East Massachusetts Avenue, Lakeland, FL 33801
Project Manager:	James Chastain, PE
Point of Contact:	Tom Mattiacci 863.834.6180
Year Completed:	Construction: 2008 Professional Services: 2006
Professional Fee:	\$254,000
Construction Cost:	\$1,600,000 (Phase I)
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

This project for the City of Lakeland, consisted of 12,000 linear feet of 12" force main and two 10' diameter, 800 gpm duplex lift stations with emergency power. To provide additional flow capacity, a 10" force main was installed parallel to an existing 10" force main. The lift stations were installed within challenging site constraints, including the need to sheet and shore the County Road lift station while maintaining as operational the existing lift station located less than 10' away. The force main construction occurred through highly developed areas, some of which consisted of very poor soil conditions. These parameters required considerable flexibility and adaptability in the engineering design approach. Approximately 1500 LF of force main was installed by horizontal directional drilling, including a section under the active runways and taxiways at the Lakeland Linder Regional Airport. One pumping station was installed on a fast track basis to meet demanding development requirements.

US 98 UTILITY RELOCATION

Lakeland, FL

Professional Services:	Civil & Construction Engineering
Project Scope:	Removal of 17,000 feet of utility lines and installation of over 22,000 feet of new utility lines and 700 feet of steel casing
Project Owner:	City of Lakeland 228 South Massachusetts Avenue, Lakeland, FL 33801
Project Manager:	Jay Curtis, PE; Robin Losh
Point of Contact:	Tom Mattiacci 863.834.8316
Year Completed:	Construction: 2006 Professional Services: 2002
Professional Fee:	\$295,000
Initial Budget:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime

BRIEF DESCRIPTION

The Florida Department of Transportation (FDOT) widened and improved Interstate 4 between Tampa and Orlando. In Lakeland, the improved sections extend from immediately west of the Polk/Hillsborough County Line to SR542 (Galloway Road). Widening this section of the Interstate from four to six lanes impacted the City of Lakeland's (City) water mains on both sides of the Highway. The City performed some of the preliminary design for this relocation project and then contracted with Chastain-Skillman, Inc. (CSI) to perform the detailed design and to prepare the Contract Drawings and Specifications. The project consists of the following: the removal of approximately 17,000' of ductile iron, PVC, and asbestos cement water lines

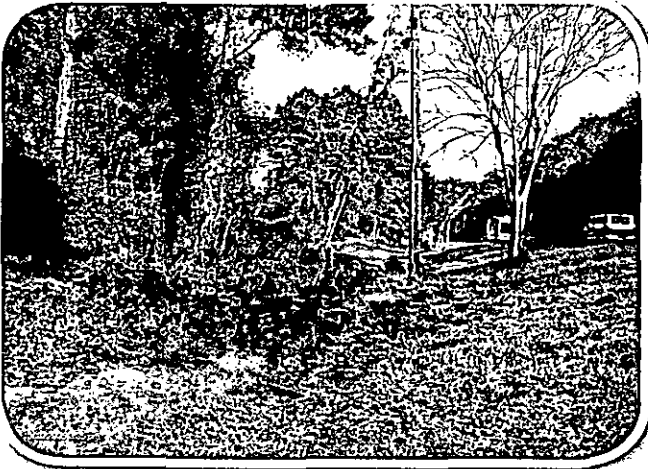
ranging in diameter from 6 to 16", the installation of over 700' of steel casing; and the installation of over 22,000' of new PVC and ductile iron pipe.

Because of the FDOT's accelerated construction schedule, the City elected to have the work performed by the highway contractor through a Joint Project Agreement with the FDOT. In response to the FDOT's tight design schedule, CSI produced the final Contract Drawings, Technical Specifications, and a detailed FDOT Utility Relocation Schedule in approximately 90 days. CSI provided construction engineering services through completion of the I-4 improvements.

US 90 FORCE MAIN

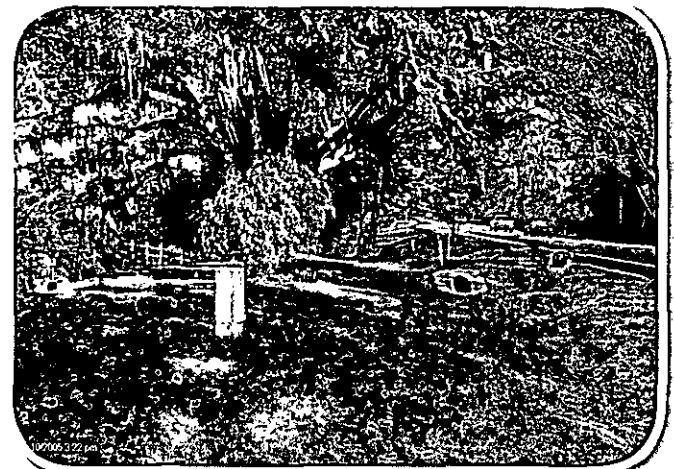
Tallahassee, FL

Professional Services:	Civil Engineering
Project Scope:	Design and permitting of Sanitary Force Main and Potable Water Main
Project Owner:	City of Tallahassee 300 South Adams Street, Tallahassee, FL 32301
Project Manager:	Robin Losh
Point of Contact:	Sal Arnaldo 850.891.6182
Year Completed:	Construction: 2007 Professional Services: 2007
Professional Fee:	\$30,000
Construction Cost:	\$300,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

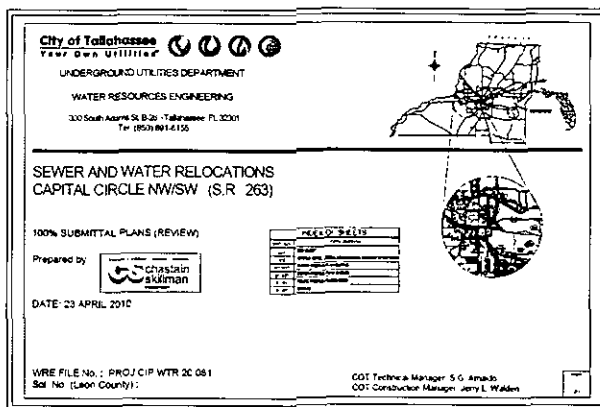
The City of Tallahassee engaged Chastain-Skillman, Inc. to provide subsurface utility locates, survey, design and permitting for extension of sanitary force main and potable water main along approximately 1-1/2 miles of US 90 Right of Way between Interstate 10 and Chaires Road. A significant portion of the project was accomplished by utilizing directional bore to accommodate the large number of trees located in the Right of Way. Special attention was given to permitting with Leon County Environmental division.



CAPITAL CIRCLE WATER RELOCATIONS

Tallahassee, FL

Professional Services:	Civil Engineering
Project Scope:	Relocation of water, force main, gravity sewer, and reclaimed water mains associated with the Capital Circle NW/SW Roadway Widening Project
Project Owner:	City of Tallahassee 300 South Adams Street, Tallahassee, FL 32301
Project Manager:	Steve Dutch, PE; Robin Losh
Point of Contact:	Sal Arnaldo 850.891.6182
Year Completed:	Construction: 2012 Professional Services: 2010
Professional Fee:	\$206,876
Construction Cost:	\$4,677,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime, Civil



BRIEF DESCRIPTION

The City of Tallahassee selected Chastain-Skillman, Inc. to provide survey, design, and permitting services for the relocation of existing water, force main, gravity sewer, and reclaimed water mains as a JPA project with the Capital Circle NW/SW Roadway Widening Project from Orange Avenue north to West Tennessee Street designed by Blueprint 2000.

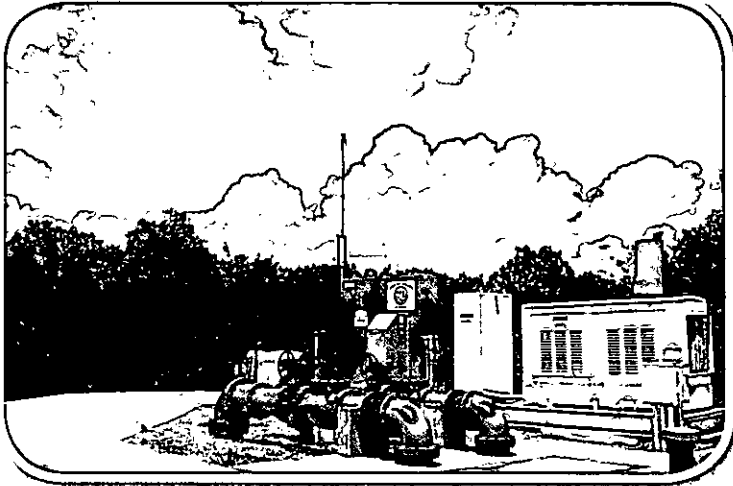
The design services included the relocation of:
19,000' of 4-inch through 12" diameter DIP and HDPE water main; 17,300' of 6-inch through 20" diameter DIP and HDPE force main; 6,600' of 6" through 12" diameter PVC and DIP reclaimed water main; and 8,100' of 8" through 15" diameter PVC and DIP gravity sewer.

Included as part of the force main relocation is the installation of 5,600' of 16" diameter and 8,900' of 20" diameter force main to provide future wastewater service from West Tennessee Street south to Orange Avenue. Included as part of the sanitary gravity main relocation is the installation of 2,100' of 8" diameter sanitary gravity sewer to provide service to Pump Station 95.

CARLTON ROAD LIFT STATION UPGRADE

Tarpon Springs, FL

Professional Services:	Civil Engineering
Project Scope:	Rehabilitate/Upgrade wastewater pumping station
Project Owner:	City of Tarpon Springs, Florida 324 E. Pine Street, Tarpon Springs, FL 34689
Project Manager:	Steve Dutch, PE
Point of Contact:	Ray Page 727.942.5616
Year Completed:	Construction: 2007 Professional Services: 2007
Professional Fee:	\$26,000
Construction Cost:	\$200,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

The City reconstructed the Carlton Road Pump Station converting a 20-year old steel can type wetwell-drywell pumping system. The station was equipped with 50 HP self priming suction lift pumps with a capacity of 1,200 gpm at 77" of head. The wetwell was 10' diameter with a depth of 28" with moderate to severe concrete corrosion.

Chastain-Skillman, Inc. designed the upgraded station with 50 HP submersible pumps and new piping and valves. The more efficient submersible pumps increased the pumping capacity by 15% to 20%. Since the control panel has been recently upgraded, the existing panel, controls, VFDs and SCADA system were reused. Prior to installation of the new pumps, the wetwell underwent major rehabilitation with concrete repairs and a non-corrosive liner.

SUMMERBROOK WATER DISTRIBUTION

Tallahassee, FL

Professional Services:	Civil Engineering Services
Project Scope:	Field monitoring and water system evaluation to address low pressure complaints from customers.
Project Owner:	City of Tallahassee 300 South Adams Street, Tallahassee, FL 32301
Project Manager:	Doug Jones, PE
Point of Contact:	Brian Berry 850.891.6140
Year Completed:	Professional Services: 2007
Professional Fee:	\$78,000
Construction Cost:	NA
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



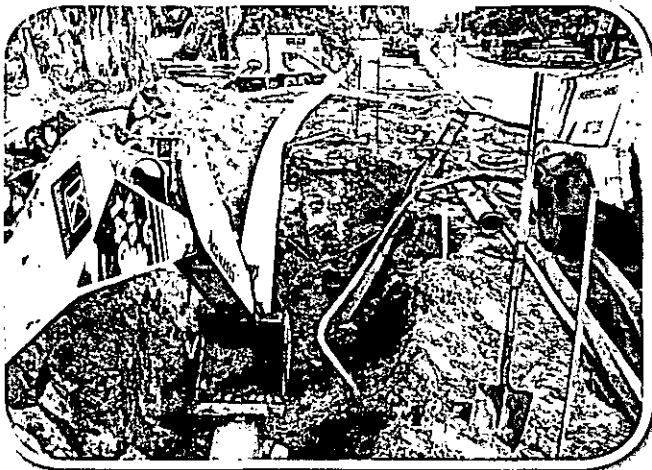
BRIEF DESCRIPTION

The City of Tallahassee was receiving numerous low pressure complaints from residents of up-scale sub-divisions in the northern area of the City. These residents reported significant drops in pressure, especially during irrigation hours. Chastain-Skillman, Inc. (CSI) was retained to assist in resolving the pressure issues. An Infowater computer simulation model was developed, and pressure monitoring locations were identified. Continuous pressure recorders were installed on the system at these locations, and the data recovered was used to further calibrate the model, and then pin-point trouble areas. The resulting modeling identified issues with an existing well and water tower, and also demonstrated that the meter/service line combination were too small for the large demands at these residences.

SEWER SYSTEM REHABILITATION

City of Frostproof, FL

Professional Services:	Design, Bidding, Construction
Project Scope:	Sewer System Rehabilitation
Project Owner:	City of Frostproof 111 West 1st Street, Frostproof, FL 33843
Project Manager:	Steve Dutch, PE
Point of Contact:	Tenny Croley 863.635.7855
Year Completed:	2007
Professional Fee:	\$40,000
Construction Cost:	\$945,000
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime



BRIEF DESCRIPTION

The existing sewer system was constructed of vitrified clay pipe between 40 and 60 years ago. Approximately 40% to 50% of the flow to the wastewater treatment plant was attributed to infiltration and inflow from these sewers. The Florida Department of Environmental Protection (FDEP) issued an Administrative Order to the City to undertake a program to reduce the extraneous flow.

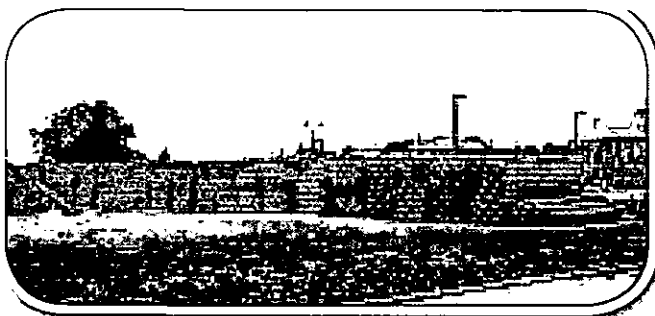
Following smoke testing and television inspection, a construction project was undertaken which included replacement or rehabilitation of 6,300 feet of 8", 10", 12", and 15" gravity sewer and 48 manholes. Installation was completed using no-dig, pipe bursting technology to minimize disruption to local residents. As a result of the program, flows to the treatment plant were reduced by approximately 35%.

Funding for this project was provided by the FDEP State Revolving Fund. Chastain-Skillman, Inc. was able to meet strict time constraints required by the funding agency.

TREATMENT SYSTEM PHASED IMPROVEMENTS

Frostproof, FL

Professional Services:	Civil Engineering & Construction Services
Project Scope:	Expansion of wastewater treatment and collection system
Project Owner:	City of Frostproof 111 West 1st Street, Frostproof, FL 33843
Project Manager:	Steve Dutch, PE
Point of Contact:	Tenny Croley 863.635.7855
Year Completed:	Construction: Phase 1- 2004; Phase 2- 2009; Phase 3- 2010 Professional Services: 2004-2011
Professional Fee:	\$350,000
Construction Cost:	\$10,410,000 (all phases)
Firm Name:	Chastain-Skillman, Inc.
Role:	Prime Consultant



BRIEF DESCRIPTION

Overall, a four phase, \$16,000,000 program was developed which will provide sewer service to the entire city. A new 0.500 million gallons per day sequencing batch reactor treatment plant is proposed to be constructed in two phases. The project also includes over 110,000 feet of sewer and force main, 20 lift stations, 63 low pressure grinder stations, major sewer rehabilitation, and abandonment of the Frostproof High School Wastewater Treatment plant.

Chastain-Skillman, Inc. provided bid documents, permitting, and construction engineering services for this project for all phases to date. Construction services included bidding assistance; review of submittals, pay requests, and change order requests; cost and progress tracking; contract compliance; and resident construction services.

B.2 NAMES AND DESCRIPTIONS OF APPLICABLE PROJECTS PRESENTLY UNDER CONTRACT DEMONSTRATING CAPABILITIES AND QUALIFICATIONS FOR WORK CATEGORY.

Utility Engineering Projects

Provided below is a representative listing of CSI's current work in the Utility Engineering work category.

Client	Project Name	Description of Services
Major Supermarket Chain (Confidential Client)	Distribution Center Expansion	Master planned a 287-acre site in Lakeland, Florida and designed of a 550,000 sq ft warehouse expansion. For the master planning, CSI provided surveying services, wetlands delineation, endangered species identification, and a master flood study comprised of approximately 1700 acres. The warehouse expansion project included engineering design and permitting of the building expansion and associated parking and traffic areas, wherein warehouse size approximately doubled the existing facility. The site required environmental and stormwater permitting through the Southwest Florida Water Management District, U.S. Army Corps of Engineers, FDEP, the County and the local municipality.
Anderson Lane, Inc.	USF Water Sewer Extensions	Designing and permitting water and sewer extensions to the City of Lakeland utility systems for a new university campus. Prepare computer model/system analysis for campus master water plan.
City of Auburndale	Continuing Consulting Services	Miscellaneous engineering assignments, permitting, WWTP operation assistance, project reviews, and general technical assistance.
City of Bartow	Continuing Consulting Services	Miscellaneous engineering assignments, permitting, WWTP operation assistance, project reviews, and general technical assistance.

Client	Project Name	Description of Services
City of Bartow	Headworks Construction Phase Services	Construction engineering and resident project representative services for new headworks structure at WWTP.
City of Bartow	Airbase Sewer Construction Phase Services	Construction engineering and resident project representative services for sewer system rehabilitation by lining.
City of Bartow	NE Force Main Construction Phase Services	Construction engineering and resident project representative services for 8 miles of 24" force main and 5 miles of 16" water main.
Town of Dundee	Utility Relocation US 27	Design and construction engineering assistance for utility relocations for FDOT construction project..
City of Frostproof	WWTP Expansion	Permitting, update of design plans, Construction engineering and resident project representative services for improvements to WWTP.
City of Frostproof	Continuing Consulting Services	Miscellaneous engineering assignments, permitting, WWTP operation assistance, project reviews, and general technical assistance.
City of Lakeland	TB Williams WTP Generators	Design, construction engineering and resident project representative services for standby power system for existing water plant.
City of Lakeland	Southeast Water Booster Station Upgrade	Evaluated options for removing a critical reservoir from City's Water Distribution system for maintenance. Steady state and extended period simulations for current and future years were performed to evaluate options including constructing a second reservoir at the same site, a second reservoir at a different site, and adding additional pumping. A review of the localized distribution system piping was also performed for the study periods. A report was submitted that contained evaluations and budgets.
City of Lake Alfred	Wastewater Facility Plan	Planning and feasibility analysis for sewer system extension project to eliminate septic tanks.

Client	Project Name	Description of Services
City of Largo	WWRF Groundwater Study	Evaluation of groundwater levels and impact on structures at WWTP.
City of Tallahassee	Tennessee St. FM Extension	Design of a force main extension on Tennessee Street to new termination point.
City of Tallahassee	Capital Circle Utility Extensions	Design and Permitting of new and relocation of water mains, force mains and sewers for the Capital Circle widening project.
City of Tarpon Springs	Lake Tarpon Vacuum Sewer System	Design and construction engineering services for vacuum sewer system and vacuum/pump station.
City of Wauchula	WTP Improvements and New Well	Construction engineering and resident project representative services for new well, 16" raw water main and water plant upgrades.
City of Winter Haven	WWTP #3 Permitting	Preparation of application to FDEP for renewal of WWTP operating permit.
Lake Wales Housing Authority	Sunrise Apartments - Redevelopment	Phase 1 of this project consists of the construction of 72 multi-family apartments, community building recreational facilities, and infrastructure improvements. CSI's services include planning, design, permitting, and construction phase services.
Polk County	Mann Road Well and WTP	Design, construction engineering and resident project representative services for new well and water plant.
Polk County	Environmental Monitoring Services	Quarterly monitoring of six constructed wetlands for permit compliance.
Polk County Public Works	Harden Pipkin Widening Project	Major modification at two signalized intersections and improvement of approximately two miles of local roadway from two travel lanes to three. This project also includes significant drainage and utility improvements.
Tohopekaliga Water Authority	Residuals Dewatering Facility	Design of new residuals dewatering facilities at Sand Hill WRF.

B.3 PROCESS AND PROCEDURES FOR MEETING CURRENT DESIGN STANDARDS, CODES, AND REGULATORY REQUIREMENTS.

CSI's Program Manager, Alan Hart, PE, has worked on Leon County projects for the past 15 years and extensively for the past 4 years. He has been involved with the design of projects that utilize all aspects of the Design Standards, Codes and Regulatory Requirements. He has completed permits for Leon County with the following agencies:

- Leon County Growth and Environmental Management (LCGEM)
- Florida Department of Environmental Protection (FDEP)
- Northwest Florida Water Management District (NFWMD)
- Florida Department of Transportation (FDOT)

Mr. Hart has been submitting permits for clients for most of his career. Mr. Hart has permitted several projects under the new Phase II requirements.

In addition to the Program Manager's local experience, three other CSI engineers/project managers have had design responsibility for projects in the Tallahassee area over the past 5 years. As such, knowledge of and compliance with applicable design standards, codes and regulatory requirements was necessary to permit the projects for our clients.

As part of CSI's internal QA/QC process, each project has an initial kickoff meeting to orient the different team members as to the objectives, schedule and budget of the project. A senior engineer who will not be associated with day-to-day project tasks of the project is assigned as the QA/QC officer. Internal design reviews are scheduled by the QA/QC engineer at 30%, 60% and 90% completion points, along with a final review prior to release of plans for bidding. By being independent of the project development, it is believed that a more effective review can be achieved to meet the issues questioned in this section.

CSI performs projects for clients all over the state. As such, we are accustomed to recognizing and applying regulations for each locality. CSI maintains a comprehensive library (digital and hard copy) of all required standards, codes, rules, directives and specifications that will support the aspects of project design encountered under this Continuing Services Contract. Members of the project design team have access to this library and use it frequently. Plan reviewers utilize this information to conduct detailed calculation checks and constructability reviews.

SECTION B.4 IGNORE PER LEON COUNTY - DUPLICATION OF B.3.

SECTION B.5 BASIC AND SPECIAL RESOURCES AVAILABLE TO FIRM FOR PERFORMANCE OF DUTIES IN WORK CATEGORY.

Chastain-Skillman, Inc. (CSI) is one of the largest south-central Florida headquartered engineering firms. Amongst our Tallahassee, Tampa, Sebring, and Lakeland offices, we employ approximately 70 personnel. Every professional, administrative support person, field construction representative, and drafting person works at their own, fully-dedicated computer station. This includes 10 fully functional CAD stations. We own approximately 15 vehicles for use by field survey crews, field construction representatives and other staff. Field construction representatives have their own mobile computer capabilities, and each survey crew works from individually assigned and company-owned vehicles and surveying equipment. All of our computers, printers, copiers, vehicles, etc. are company-owned. CSI's Florida offices encompass over 50,000 square feet of space.

Our proposed project team is made up of individuals with specialized training in the areas of stormwater design and inspection, roadway and intersection developments, utility design, water and wastewater system design, system modeling, watershed and drainage modeling, utilization of geographical information systems and use of total station and global positioning system survey equipment. Much of the computer software can be utilized and integrated with information from the County tax records and GIS information to assist in identifying Rights-of-Way and easement acquisition, as may be necessary.

Specialty design or modeling software that we routinely use that has applicability to this contract might include:

Program	Manufacturer	Project Use
Groundwater Vistas v. 3.12	Environmental Simulations, Inc.	Pre-/Post-processor for MODFLOW
ICPR v.3.10 (6)	Streamline Technologies, Inc.	Stormwater routing model
Ponds 3.2	Devo Engineering, Inc.	Retention pond recovery analysis
Hydraflow (v.6.066)	Autodesk, Inc.	Storm sewer modeling
StormCAD v. 5.6	Bentley Systems, Inc.	Storm sewer modeling
HEC-1	USACOE/Hydraulic Engineering Ctr.	Flood hydrograph program
HEC-2	USACOE/Hydraulic Engineering Ctr.	Water surface profile (1-dim) GVF
WaterGEMS v.3.0 (5000 pipes)	Bentley Software	Hydraulic network simulation program
WaterCAD v.8i (500 pipes)	Bentley Software	Hydraulic network simulation program
KYPipe - Pipe2000	KYPipe	Hydraulic network simulation program
Surge 2000	KYPipe	Hydraulic transient simulation program
Suretrak Project Manager	Primavera, Inc.	Project scheduling software
AutoTrack v.8.52	Savoy Computerizing Svc., Ltd.	Steered vehicle path computations

Both our GIS and our survey systems are fully integrated with our CAD stations and WaterGEMS hydraulic network simulation software. In addition, we also support links between AutoCAD™ and

KYPIPE and WaterCAD. All of our drafting personnel have been trained specifically in **Autodesk Civil 3D** as well as the legacy **Land Development Desktop** software. We also maintain expertise in **Microstation V**, simplifying interchange with clients utilizing this package.

We have been utilizing the **ArcGIS** system for approximately 15 years. Our GIS staff has been trained by **ESRI-certified training centers** and has worked with several municipal clients to meet their GIS needs. We have found GIS to be invaluable in utilizing information, e.g., soils mapping, from regulatory agencies such as the Water Management Districts. We have also utilized the system extensively on mapping projects and habitat assessment projects. This work has been performed for multiple County agencies, providing database management and calculations for the County's Comprehensive Plan.

It might be of interest to know that CSI has also developed a proprietary software system that has been used by a number of our larger clients to manage asbestos remediation, maintenance and future work programs. This software is an integration of a database and AutoCAD systems to provide historical documentation of facilities plans, survey histories, test results, and areas of potential concern. This allows facilities managers the ability to quickly scan for potential issues when construction or maintenance in an area is to be conducted. To comply with various regulatory mandates, the program also helps to schedule re-inspections and maintenance as well as provide compliance documentation. While it has primarily been used for asbestos tracking, it is flexible enough to be used with most any regulated material that must be likewise tracked.

Within our offices, CSI's network is virtualized using **VMWare** and based on **Microsoft Windows** and **Novell server technologies**. Main Servers are clustered for redundancy (automatic failover) and connected to a **SAN (Storage Area Network)** with a storage capacity of over **4Tb (Terabyte)**. The system is backed up nightly to high speed **SDLT** tape and external **SAN** drives. All servers have redundant power supplies and dual **UPS (Uninterruptible Power Supplies)**. All locations have *departmental servers* and **all locations are inter-connected using full T1 connections or better**, fully secured by use of hardware **Firewalls**. The complete system is monitored on a 24/7 basis with critical errors mailed and/or paged to the IT Manager. Virus protection is implemented at both server and workstation levels and updated on a daily basis. Workstations are upgraded or replaced on a regular basis to ensure that users are operating with current technology; this replacement has typically been in the 25 - 35 percentile per annum.

Additional resources of CSI's network include **VOIP (Voice over IP)** telephone connectivity between offices, additional high-speed laser printer/scanners at all locations, and additional wide format printing capabilities.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Utility Engineering
Willingness to Meet Schedule
and Budget Requirements**

SECTION C

C. WILLINGNESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS.

Schedule Control

Through experience, CSI has determined that there are eight key elements critical to effective schedule control. These are part of CSI's approach to project delivery.

Establishing a Realistic Schedule. While the goal is to complete the project in a timely manner, established schedules must be realistic. All too often firms commit to unrealistic schedules in order to obtain an assignment. That behavior only leads to dissatisfaction on the part of the client, frustration on the part of the project team members, delays while problems are addressed, and unexpected costs. For this reason, CSI will be clear about presenting schedules that are realistically achievable.

Establishing Interim Milestones. With every task assignment, whether performed in-house or by subcontractors, CSI will establish interim milestones that will be used as checkpoints to verify that progress is being made in accordance with the planned time line, and to serve as a basis for verifying that progress is in line with spending. This proactive approach to active management of tasks will facilitate early detection of variances and support the implementation of timely corrective action, if needed.

Regular and Frequent Communication. CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of scheduled milestones to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing delays. Such issues may otherwise go unnoticed until a problem actually develops.

Skill Matching. One of the most fundamental factors in meeting schedule commitments is carefully matching work assignments with the skill level of staff. Staff that lack appropriate experience will generally take longer than expected to complete assignments and may be reluctant to ask for help. It is the responsibility of the CSI Project Manager to properly allocate resources to facilitate the timely achievement of schedule requirements and monitor progress.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay. When an issue is identified, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of schedule compliance through regular progress reporting. If a significant variance is detected, the CSI Project Manager will, upon discovery, promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

With CSI's more than 70 employees located in Florida and backed by our Team members, the CSI Team has ample resources to meet the needs of the County for this project.

Budget Control

CSI uses the following a series of techniques to manage the assigned budget:

Detailed Experience-Based Budgeting. Cost control will be enhanced by detailed budget preparation using a standard template. Experience is used to establish realistic budget amounts for labor and expenses by individual task, providing a detailed schedule for fund allocation when performing the work and serving as the basis for monitoring and evaluating financial performance. By detailing costs by individual task, a mechanism is provided for tracking costs in small increments. In this manner, if spending on a particular task does vary from budget, the overall impact on the project is small and can be more easily corrected.

Regular and Frequent Communication. As described under the section addressing Schedule Control, CSI promotes an environment characterized by good communication conducted in a proactive manner. This includes clear communication of budgets to all project participants, and a conscious effort to have regular and frequent contact among all members of the team, including those that are in-house, and those working for subcontractors. This provides a forum for early detection of issues with the potential for causing variances from the planned budget. Such issues may otherwise go unnoticed until a problem actually developed.

Frequent Budget Analysis. Labor and expenses incurred against each project are input into CSI's automated corporate accounting system on a weekly basis. Progress reporting on both budget and schedule can be assessed using PlanTrax, our project management software. This software, in conjunction with our corporate accounting system and staff work assessments, allows the Project Manager to determine the percentage of completion and earned value for the project as often as necessary to closely monitor the budget status and schedule status.

Skill Matching. Assigning appropriate staff to each task is important to budget control, as well as schedule control. Technical capabilities, efficiency, and billing rates all need to be taken into consideration to enable individual tasks to be completed in a technically and economically sound manner that meets schedule requirements.

Obtaining a Commitment on Every Assignment. When making an assignment, whether to in-house personnel or a subcontractor, the CSI Project Manager will obtain a specific commitment to meeting the technical, schedule, and budget parameters of the assignment. This provides another checkpoint to verify that expectations associated with the assignment are clearly understood and that there are no conflicts that would prevent meeting those expectations.

Prompt and Appropriate Corrective Action. CSI's goal is to identify potential issues before they cause a delay, although this may not be possible in all cases. Whether an issue is identified at the potential stage or when there is an actual impact, CSI will develop and implement corrective action promptly following discovery to reduce the magnitude of potential or actual impacts.

Follow-up to Corrective Action. It is not enough to simply implement a corrective action and assume that it will be effective. CSI monitors the results of the corrective actions that are appropriate for schedule compliance. This provides a means for confirming the effectiveness of corrective actions and allows for further adjustments to be made in a timely manner, if necessary.

Keeping Leon County Informed. CSI will keep Leon County informed of budget compliance on assignments that are being performed on a time and materials basis, and promptly notify the County of any variations from the applicable scope or assumptions that would impact the cost on any assignment. If a significant variance is detected, the CSI Lead Program Manager will upon discovery promptly notify the County and provide the opportunity for the County to have input to and concurrence with the selection of an appropriate corrective action.

Corrective Action Procedures

CSI makes considerable effort to manage contracts, projects, and tasks proactively and aggressively to preclude the need for corrective action. The most important aspect of this preventive approach is to emphasize good communication, as breakdowns in the communication process are likely the most common root cause of problems encountered in our industry. Despite these efforts to avoid problems, having a sound plan for corrective actions is necessary. CSI's approach to corrective action is as follows:

Early Detection. Corrective action is most effective when variances from the plan are detected early and corrective actions can be small in magnitude. CSI implements a number of measures to promote early variance detection that include the establishment of interim milestones to be used as checkpoints, preparation of detailed budgets for use in comparing actual to planned spending, weekly financial analyses of projects, and providing forums for promoting effective two-way communication within the project team.

Prompt Action. When a significant variance to the plan is discovered, prompt corrective action is warranted. Otherwise, adverse impacts affecting technical aspects of the project as well as schedule or budget are possible. CSI utilizes experienced personnel who are capable of detecting potential problems, and who possess the knowledge and capability to propose compensating corrective actions. Rapid response is vital to keeping projects on track.

Follow-up and Adjustment. Despite best intentions, corrective actions do not always produce the desired result. This can be due to the presence of more than one root cause for a given situation, or other environmental factors. For this reason, with every corrective action, CSI establishes milestones for checking progress to confirm that the action had the desired effect. This provides the opportunity for timely adjustment to the corrective approach, if needed.

Consultation. Small, routine corrective actions will be made as needed and communicated to Leon County in routine status updates and progress reports. In the event that a significant variance is detected and corrective actions must be equally significant, CSI's Project Manager will seek input from in-house and subcontractor personnel who have relevant expertise, and will consult with the County for concurrence with the approach prior to its implementation. Such interaction will be implemented rapidly to minimize the effects of such variances.



**LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25**

**Utility Engineering
Effect of Firm's Recent, Current,
and Project Workload**

SECTION D

D.1 NAMES AND DESCRIPTIONS OF PROJECTS CURRENTLY UNDER CONTRACT AND ANTICIPATED COMPLETION DATES.

This section is prepared in order to examine CSI's current and projected workload as it relates to CSI's ability to perform Leon County's work in a timely and effective manner. The table that follows lists the projects which currently have or are projected to have meaningful activity associated with them.

Each project is listed along with the estimated number of man-hours remaining, target completion date and the estimated average man-hours per month required. Although these are average figures and reflect work for departments affected by Leon County work, it should give the reviewers insight into the availability of CSI staff to complete any tasks assigned to us.

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Civil Department - Roadway, Stormwater, Traffic			
City of Lakeland - Southeast Water Booster Upgrade	1460	09/2012	80
Confidential Client - Distribution Center Expansion	310	09/2012	17
Pulte Home Corporation - Del Webb Orlando Amenity Center	230	01/2012	23
The Drummond Company - South Village	310	01/2012	31
USF Polytechnic - Stormwater, Water Main/Sewer Force Main Extensions	480	10/2011	70
Lake Wales Housing Authority - Sunrise Redevelopment	120	06/2011	40
Polk County Public Works - Harden Pipkin Widening Project	75	12/2011	8
FDEP - Atlantic Ridge State Park	75	12/2011	8
Highlands County BOCC - Hammock and Lakewood Roads	115	12/2011	12
Miscellaneous Projects	320	12/2011	40
Subtotal	3375		330

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Environmental Risk/Environmental & Occupational Health & Safety Departments - Environmental Support Services			
Major Super Market Chain (Confidential Client) - Drycleaning Site Rehabilitation	TBD	Ongoing	40
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	60	09/2011	10
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	40	06/2011	20
Major Super Market Chain (Confidential Client) - Petroleum Site Rehabilitation	TBD	Ongoing	10
Major Super Market Chain (Confidential Client) - Phase I/II ESA	60	05/2011	30
School District of Hillsborough County			
Aboveground Storage Tank (AST) Release	384	04/2013	16
Greenfleet Remediation	80	06/2011	40
MOC Remediation	180	12/2011	20
Fuel Storage Tank Compliance Monitoring	240	12/2011	24
Continuing Environmental Services	Ongoing	10/2013	300
Pineellas County - Brownfields	160	04/2011	160
Southern Wine and Spirits - Petroleum Site Rehabilitation	144	04/2013	6
The Sembler Company - Solvent Site Rehabilitation	72	04/2012	6
Integrated Metal Products - Petroleum Site Rehabilitation	60	06/2011	30
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Live Oak	120	09/2011	20
W.S. Badcock Corporation - Petroleum Site Rehabilitation - Mulberry	192	04/2013	8
Telogia Power Biomass - Consulting Services	108	12/2011	12
City of Tallahassee			
Technical Specs and Third-Party Observations	50	4/2011	50
Stormwater Sediment Sampling and Beneficial Use	20	3/2011	N/A
Solomon C&D Landfill - Consulting Services	99	12/2011	11
Department of Management Services - Continuing Services	2800	12/2013	80

WORK IN PROGRESS			
PROJECTS	Hours Remaining	Completion Date	Avg. Manhours Committed per Month
Capital City Bank - Phase I/II Continuing Services	250	Ongoing	25
FAMU - Continuing Services	300	Ongoing	30
Subtotal	5419		948
Environmental Department - Utility Engineering			
City of Auburndale Continuing Services	158	10/2011	20
City of Bartow Continuing Services	138	10/2011	17
City of Bartow Headworks Construction	944	10/2011	135
City of Bartow Airbase Sewer Construction	728	10/2011	104
City of Bartow NE Force Main Construction	1324	09/2011	221
Town of Dundee Utility Relocates	50	05/2011	25
City of Frostproof WWTP	1333	03/2012	111
City of Frostproof Continuing Services	141	10/2011	18
City of Lakeland Generators	800	11/2011	100
City of Lake Alfred Facility Plan	374	12/2011	62
Polk County Mann Road Well	400	03/2012	33
Polk County Environmental Monitoring	400	04/2012	29
Tohopekaliga Water Authority	808	12/2012	50
City of Wauchula Well	540	06/2011	135
City of Tarpon Springs Vacuum Sewers	280	07/2012	28
City of Winter Haven WWTP #3	50	06/2011	17
City of Largo GW Study	15	04/2011	15
City of Tallahassee Capital Circle	231	07/2011	77
Subtotal	8714		1197
Total	17511		2502

D.2 FIRM'S ABILITY TO ABSORB PROJECTS RESULTING FROM CONTRACT.

CSI understands that having readily available personnel who have appropriate capabilities and experience to promptly address assigned tasks is essential to our ability to be responsive to the County's needs. Our primary operating philosophy is that in order for us to be successful, we must help our clients to be successful. Thus, we maintain what is by industry standards a high level of excess capacity enabling us to reliably and effectively respond to our clients' short- and long-term needs.

By viewing the table provided in Section D.1, it is possible to gauge the ability of CSI staff to promptly and efficiently respond to any assignments authorized by the County. Projects have been grouped by technical group to give an additional view of the distribution characteristics. As a reference, Environmental Services projects tend to be smaller short-term projects while the engineering projects tend to have a longer project span. While this methodology is an approximation, it provides an indication that sufficient resources are available to meet the County's needs.

Another way of looking at the numbers would be that our current utilization (based on percentage of time our personnel are committed to other ongoing projects) has been running on the order of 60%. Note that this estimate is based upon a 40-hour work week. CSI staff has been accustomed to working a 50 to 60-hour work week as necessary to meet our clients' project needs. This means that we currently have the time available to immediately devote staff to your project.

CSI's current workload is such that we have more than adequate staff and available man-hours to perform the County's planning projects. The individuals specifically chosen for your project team were selected not only for their experience, location, and knowledge, but also because of their immediate availability to the County.

Should workload from the County or other clients increase to a point that existing staff is stretched, CSI has a recruitment program that would be used to bring additional qualified staff on board. In fact, this is what we hope will happen. It is our complete intent to grow the Tallahassee office so as to provide even better service to Leon County. In the meantime, the CSI management system and work ethic is such that we can't envision a situation where we would cause a delay for Leon County in this regard.

We believe you will find CSI to be the ideal size firm to meet the County's needs. CSI is large enough to have the resources to meet the technical demands of the County's projects, yet small enough that the County will always remain a very important client to us. CSI looks forward to the opportunity to demonstrate how effective a professional relationship can be between the County and its engineering consultant. This has been the basis for our success over the past six decades.

In summary, CSI currently has adequate personnel available, both in quantity and quality, to deliver timely projects for Leon County.



LEON COUNTY, FLORIDA
Proposal Number BC-03-17-11-25

Utility Engineering
Effect of Project Team Location

SECTION E

E. EFFECT OF PROJECT TEAM LOCATION.

Dedicated Resources (Tallahassee, Lakeland and Tampa)

It is CSI's intent to provide Leon County with the services described in this RFP from our local Tallahassee Office. Should specific projects require supplemental manpower, specialized technical support or additional administrative assistance, those resources will be provided by the Lakeland and Tampa Offices utilizing the personnel identified in Section A. In any event, project management is scheduled to be conducted from the Tallahassee Office. This will provide timely and knowledgeable response to the County on projects assigned to CSI.

Mr. Alan Hart, PE, will be designated as the Program Manager for the County work. Mr. Hart and Mr. Tom Lewis, PG, our Tallahassee Office Manager, will be responsible for day-to-day operations on all Leon County projects. Both Mr. Hart and Mr. Lewis are located in the CSI Tallahassee Office. CSI anticipates locating the QA/QC review officer assigned to the Leon County contract outside of the Tallahassee office. This would be done to provide an additional level of independence and objectivity during project review. Dr. Jim Chastain, PE, MPH, will be CSI's Principal-In-Charge for this contract and has served in this capacity for many years, as well as providing technical oversight on projects and new technologies.

After reviewing this RFP, we can emphatically state that CSI has the manpower, the equipment, the professional expertise...and the desire...necessary to provide the services envisioned under this RFP. Additionally, CSI intends to utilize MBWE resources whenever possible as indicated in Section A.

The following is a list of CSI Registered Professionals/Staff in the Tallahassee, Lakeland and Tampa Offices designated to provide Civil Engineering Services for Leon County. Please refer to the project team resumes and organization chart presented herein for the various areas of expertise of each professional and their availability.

Tallahassee, Lakeland and Tampa Offices

- Alan Hart, PE
- Tom Lewis, PG
- Paul Osley, PE, BCEE, CIH, CSP
- Jim Chastain, Jr., PhD, PE, MPH
- Steve McConn, PE
- Ron Cauthan, PE
- Ken Thiele, PE
- Steve Dutch, PE
- David Buyens, PE
- Chris Sipe, PE
- Wendy Contner, PE
- Greg Lassi, PG, MPH
- Charles Browning, PG
- Art Wade, PWS
- Robin Losh
- Danny Stump, CHMM
- 6 Land Survey Crews
- 7 CAD Operators/Designers
- Administrative Staff

We take pride in our ability to deliver our services, as promised, to our clients. As such, CSI does not pursue projects or contracts, no matter how desirable, if we know our resources will not support the client in the manner requested. We have carefully reviewed the Leon County RFP, and are confident that we can deliver the same level of high quality and effective professional consulting services to Leon County as we have for the other Clients referenced in this RFP over the past 60+ years of service.

F. APPROACH TO THE PROJECT.

Through experience with similar clients, CSI's basic approach will be to act as an extension of the Leon County Design Staff. CSI will work closely with Leon County to clearly define the services required for a quality product (scope), the timeframe that best meets the needs of the County while providing ample time to complete the project successfully (schedule) and allocation of staff at appropriate levels to complete the project in a fiscally responsible way (budget). This holistic project approach will ensure a high quality, constructible project.

Project Design Team

CSI has provided many of these services under contracts with similar clients throughout Florida. These types of contracts include environmental, stormwater management design services, permitting administration and roadway engineering design services. CSI has put together a strong in-house staff (see organization chart) along with sub consultants that will be able to meet the needs of the County for all aspects of design projects. *CSI's Program Manager, Mr. Alan Hart, P.E.*, has been involved with Leon County projects for the past 15 years and has worked extensively with Leon County over the past 4 years. Mr. Hart has an understanding of the County's priorities because he has worked with various Leon County Project Managers on roadway, intersection and drainage projects over that time. He understands the procurement and proposal process and the need for strong communication on projects with the County. He has been involved in the design and permitting process, has strong knowledge of the County's design standards and plans production process and has permitted several projects with the Northwest Florida Water Management District under the new Phase II requirements. Mr. Hart will serve extensively as the liaison to the County and will lead all aspects of projects. Mr. Hart will also serve as the Engineer of Record for all projects. Personally, Mr. Hart has lived in Tallahassee since 1995 and understands the needs of the community. He is firmly committed to serving the community that he loves and considers home.

Management oversight for this contract will be provided by *Dr. Jim Chastain, Jr., P.E., Principal-in-Charge*. Dr. Chastain has a BS in Civil Engineering (honors) and a Master of Engineering from the University of Florida. In addition he has a Master of Public Health and a Ph.D. from the University of South Florida, both focusing on Environmental and Occupational Health. Dr. Chastain is the President of CSI and will be responsible for ensuring the availability of appropriate CSI resources for this project and in conjunction with Mr. Hart will provide technical oversight of the project delivery process. Dr. Chastain has ultimate contractual authority for the firm and has authorized Mr. Hart and Mr. Lewis to speak for the firm in matters related to this contract.

Quality Assurance/Quality Control for this contract will be provided by *Mr. Ron Cauthan, P.E.* Mr. Cauthan has over 35 years of experience in all aspects of Civil Design. Mr. Cauthan's areas of expertise include the following:

- Storm Water Management System Design
- Permitting and Construction Supervision for Streets, Highways
- Parking Area Design

- Water Distribution and Wastewater Collection/Pumping Systems
- Site Planning

Mr. Cauthan will provide complete reviews on major submittals to the clients as well as checking of calculations, review of plans for aesthetics and constructability. He will also conduct internal audits to assure that project files are in working order.

CSI Organizational Structure

CSI generally uses a functional organizational structure for its project structure. Over the years we have found this arrangement to be the most means for us to provide civil engineering services for projects of the magnitude describe in the RFP. This efficiency is obtained through the structure's simplicity and from organizing personnel by specialty.

Key benefits of CSI's project team organization include the following:

Single Point of Contact. CSI's Lead Project Manager, Alan Hart, P.E., located in our Tallahassee office, will serve as the single point of contact with Leon County. Channeling communications through this single point of contact will contribute to effective communication. This begins with a clear definition of the County's design objectives, scope, budget and schedule requirements. This is then reflected in the task authorization and fosters a more collaborative relationship between the County and CSI. A clear understanding of the project objectives and constraints allows the project manager to more efficiently organize the project tasks and assignments.

Clear Definition of Roles, Responsibilities, and Authority. The functional organization provides very clear definition and communication of roles and responsibilities, and also clearly identifies reporting relationships with lines of authority. This clarity enhances productivity because it allows personnel to remain focused on completing their work assignments.

Monthly Reporting. Consistent reporting of project progress, budgets and issues provides the County with a firm understanding of the project status. This allows County staff to more accurately manage the project from their perspective as well as improving communication within the County organization. CSI uses the PlanTrax method to manage the project internally and will readily share that information with the County if so desired.

Local Sub Consultants CSI will utilize local consultants to complete any tasks that lie outside of the abilities of our firm. This will not only provide the presence of local knowledge, it will also keep generated revenue at home. CSI will enlist the services of Environmental and Geotechnical Services, Inc, a WMBE, for all environmental components, Registe, Sliger Engineering Inc., an MBE, for all structural components and Moore Bass Consulting for all surveying, landscape architecture and transportation planning needs. These local firms have worked with Leon County on numerous occasions and have strong local knowledge that will strengthen the project team.

Independent QC Oversight. Although the Lead Project Manager is responsible for the overall quality of work, CSI's project team structure provides internal independent QC oversight to confirm that quality is not compromised in the quest to meet other project objectives in a timely and cost-effective manner. This is an important system of checks and balances necessary to responsibly manage risk and consistently deliver high quality service and work products.

The CSI Team includes in-house and subcontractor offices at several office locations. Efficient coordination among these offices is achieved by on-site meetings as well as utilizing our network facilities and internet conferencing. This enables communications to occur in real time. It also allows reports, design drawings, photo and video images to be shared concurrently...providing the capability to review them at different locations as if sitting side by side.