

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

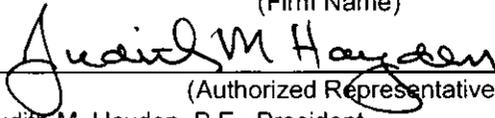
John Dailey, Chairman  
Leon County Board of County Commissioners

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

Environmental and Geotechnical Specialists, Inc.

(Firm Name)

BY

  
(Authorized Representative)  
Judith M. Hayden, P.E., President

(Printed or Typed Name)

ADDRESS

104 North Magnolia Drive

CITY, STATE, ZIP

Tallahassee, FL 32301

TELEPHONE

850-386-1253

FAX

850-385-8050

**ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)**

Addendum #1 dated \_\_\_\_\_ Initials \_\_\_\_\_ Addendum #3 dated \_\_\_\_\_ Initials \_\_\_\_\_

Addendum #2 dated \_\_\_\_\_ Initials \_\_\_\_\_ Addendum #4 dated \_\_\_\_\_ Initials \_\_\_\_\_

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

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



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

March 17, 2011

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

**Re:** Civil Engineering Services, Continuing Supply  
Proposal No. BC-03-17-11-25

Dear County Commissioners:

Environmental and Geotechnical Specialists, Inc. (**EGS**) is pleased to submit this proposal for BC-03-17-11-25, Civil Engineering Services, Continuing Supply. EGS is a full service geotechnical engineering firm and has provided services to Leon County for over eighteen (18) years. Our qualifications to provide you professional consulting services under this contract are described in detail in the attached proposal.

The EGS team represents a small, local firm approach which incorporates professional expertise and client oriented services that are cost effective. The support services under this contract will include:

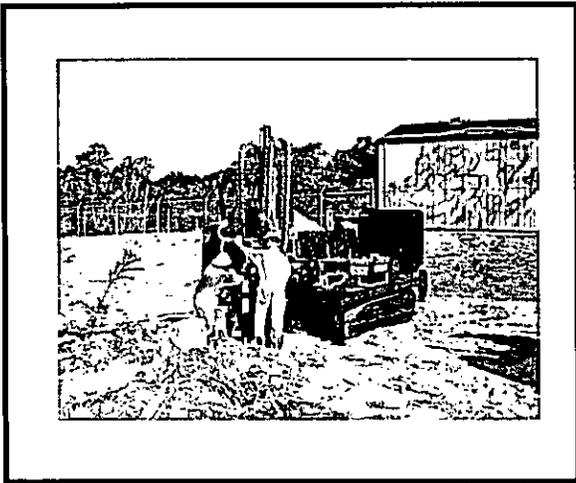
- Geotechnical Engineering and Design
- Geotechnical Drilling And Field Services
- Geotechnical and Environmental Laboratory Testing
- Materials Testing

Thank you for this opportunity to present our credentials and our sincere interest to be your consultant.

Very truly yours,

**Environmental and Geotechnical Specialists, Inc.**  
Certificate of Engineering Authorization Number: 6222

Judith M. Hayden, P.E.  
President  
FL P.E. No. 43976

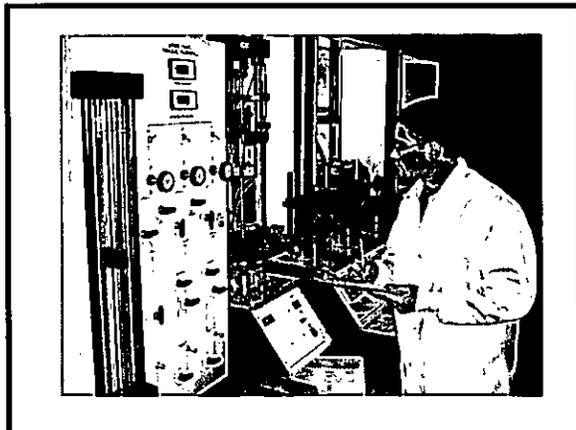


ORIGINAL

**CIVIL ENGINEERING  
SERVICES, CONTINUING  
SUPPLY**

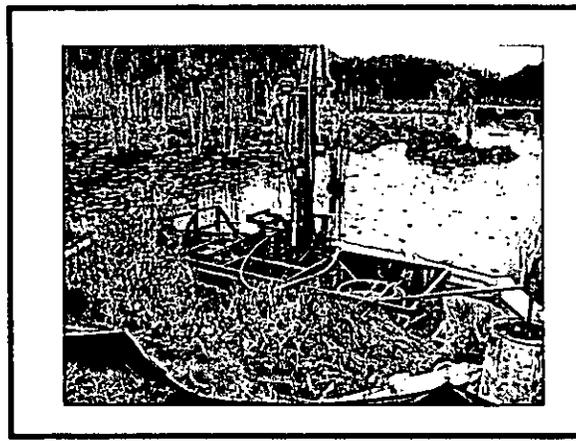
- **Geotechnical Services**

**Proposal No: BC-03-17-11-25**  
**March 17, 2011**



TECHNICAL PROPOSAL  
SUBMITTED TO:

**BOARD OF COUNTY  
COMMISSIONERS  
LEON COUNTY,  
FLORIDA**



SUBMITTED BY:

**EGS**  
**ENVIRONMENTAL AND GEOTECHNICAL  
SPECIALISTS, INC.**  
**104 NORTH MAGNOLIA DRIVE  
TALLAHASSEE, FL 32301**

# CIVIL ENGINEERING SERVICES, CONTINUING SUPPLY

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## GENERAL INFORMATION

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FORMS	TAB C

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LOCATION	TAB E
APPROACH	TAB F

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

# CONTRACTOR INFORMATION

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## FIRM INFORMATION

Contact:

Judith M. Hayden, P.E.  
President  
Email: [Judy.Hayden@EGS-US.com](mailto:Judy.Hayden@EGS-US.com)

Engineering Services Office Location:

Environmental and Geotechnical Specialists, Inc.  
104 North Magnolia Drive  
Tallahassee, FL 32301  
Telephone: (850) 386-1253  
Fax: (850) 385-8050  
Web Page: [www.EGS-US.com](http://www.EGS-US.com)

Field and Laboratory Office Location:

Environmental and Geotechnical Specialists, Inc.  
3154 Eliza Road  
Tallahassee, FL 32308  
Telephone: (850) 383-1551  
Fax: (850) 656-3607  
Web Page: [www.EGS-US.com](http://www.EGS-US.com)

# **EXECUTIVE SUMMARY**

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## **CAPABILITIES OF EGS**

Environmental and Geotechnical Specialists, Inc. (EGS) is a local Leon County firm that is highly qualified and has an outstanding work experience with their clients. EGS specializes in the areas of geotechnical investigations and designs, environmental permitting, and environmental site assessments. EGS is dedicated to providing exceptional services to their clients at competitive rates.

EGS is a full service geotechnical consulting firm which provides subsurface drilling, soil sampling, design recommendations, material testing services, inspection, and construction assistance for a wide range of projects. EGS is technically qualified with the Florida Department of Transportation (FDOT) in the following applicable geotechnical work categories:

- Group 9.1      Soil Exploration
- Group 9.2      Geotechnical Exploration and Testing
- Group 9.3      Highway Material Testing
- Group 9.4      Foundation Studies
- Group 9.5      Geotechnical Specialty Laboratory Testing

All field explorations are performed under the close supervision of a professional engineer knowledgeable about the work being performed and the usage of the data. Special consideration is given to safety and efficiency. EGS has a rigorous Quality Assurance and Quality Control program which includes a thorough in-house peer review of the equipment and procedures. Investigations are conducted in accordance with applicable standards and certifications. EGS's professional geotechnical staff had extensive experience in working with clients to facilitate a cost-effective investigation and engineering design.

EGS also has a professional and knowledgeable staff experienced in providing environmental assessments and engineering solutions to various construction related environmental problems encountered during the planning, engineering, and design phase of a project. EGS's staff is familiar with the regulatory requirements of Leon County and has a good working relationship with the regulatory agencies. The results of EGS's environmental investigations are presented in a focused engineering report prepared by a licensed professional engineer. EGS is technically qualified with the Florida Department of Transportation (FDOT) in the following environmental work categories:

- Group 2      Project Development and Environmental (PD&E) Studies

## **COMMITMENT TO SATISFY COUNTY'S NEEDS**

The staff at EGS is committed to satisfy the County's needs on all aspects of an assigned task. EGS will meet all assigned schedules and deadlines, in addition to providing high quality, cost-effective designs and deliverables. Further, the County projects will have our highest priority with respect to scheduling staff and resources. EGS will pledge to go the "extra mile" to meet the County's needs and expectations.

**STYLE OF PRESENTATION**

The format of this proposal has been kept intentionally concise, to the point, and structured to follow the Proposal Response Requirements while eliminating non-relevant materials. We have however, provided extensive material to demonstrate our experience and success with geotechnical investigations previously conducted for the County. This style of presentation is reflective of the philosophy of EGS. We will strive to minimize the County's support on any given task while assuring the needs of a project are being met.

**UNDERSTANDING OF SCOPE**

The Scope of Services to be provided under this contract will likely be varied depending on the needs of the County projects. These services could include:

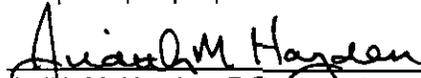
- Environmental & Hydro-Geological
- Foundations
- Structures
- Embankments and Soil Stabilization
- Roadway Subgrades, Bases, and Pavements
- Utility Pipelines and Structures
- Asphaltic Concrete
- Portland Cement Concrete
- Masonry, Steel, and Wood
- Infiltration Investigation
- Karst Investigation

**PAST PERFORMANCES**

EGS has been pleased and honored to serve Leon County for many years. We have continuously endeavored to add value and to improve the services and products we are providing to Leon County. EGS is prepared to continue this tradition and will strive to continuously improve the services we offer the Department. We view this opportunity as a continuation of our long-term relationship.

**CONCLUSION**

This proposal has been written with a conscientious effort to represent EGS's capabilities and qualifications in a fair manner and in good faith without collusion or fraud. Judith M. Hayden, P.E., President, has the authority to bind Environmental and Geotechnical Specialists, Inc. as the principal proponent.

  
 Judith M. Hayden, P.E., President  
 FL PE 43976

3-17-2011  
 Date

104 North Magnolia Drive, Tallahassee, FL 32301

(850) 386-1253      (850) 385-8050  
 Telephone              Fax

Judy.Hayden@EGS-US.com  
 Email

**FORMS**



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**

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**AFFIDAVIT CERTIFICATION  
IMMIGRATION LAWS**

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

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

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

Environmental and Geotechnical Specialists, Inc.  
Company Name: \_\_\_\_\_

Signature: Judith M Hayden Title: President  
Judith M. Hayden, P.E.

STATE OF Florida  
COUNTY OF Leon

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

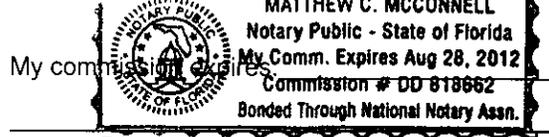
Personally known X

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

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

Matthew C. McConnell  
NOTARY PUBLIC

Notary Public - State of Florida



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.

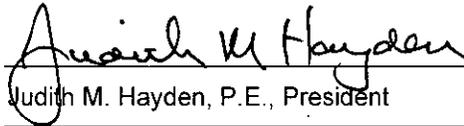
**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,  
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

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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:

Judith M. Hayden, P.E., President  
\_\_\_\_\_

Firm:

Environmental and Geotechnical Specialists, Inc.  
\_\_\_\_\_

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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 insurances 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:     XIII    

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

YES       NO

Indicate Best Rating:     A      
Indicate Best Financial Classification:     VIII    

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES       NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

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Required Policy Endorsements and Documentation

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

**Deductibles and Self-Insured Retentions**

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

Endorsements to insurance policies will be provided as follows:

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

Primary and not contributing coverage-  
General Liability & Automobile Liability

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

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

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

Please mark the appropriate box:

Coverage is in place

Coverage will be placed, without exception

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

Name Keith Hathaway  
Typed or Printed

Signature 

Date March 17, 2011

Title Office Administrator / Risk Manager  
(Company Risk Manager or Manager with Risk

Authority)



# CERTIFICATE OF LIABILITY INSURANCE

WSHAPIRO

DATE (MM/DD/YYYY)

3/15/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER License # L070733</b> Legacy Insurance Solutions, LLC 3600 Financial Plaza 4th Floor Tallahassee, FL 32312-9999	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): (850) 894-2333	FAX (A/C, No): (850) 894-3129
	<b>E-MAIL ADDRESS:</b> PRODUCER CUSTOMER ID #: ENVIAND-01	
<b>INSURED</b>  Environmental and Geotechnical Specialists, Inc. 104 N Magnolia Street Tallahassee, FL 32301	<b>INSURER(S) AFFORDING COVERAGE</b>	
	<b>INSURER A : West American Insurance Company</b>	
	<b>INSURER B : The Ohio Casualty Insurance Company</b>	
	<b>INSURER C : Evanston Insurance Company</b>	
	<b>INSURER D :</b>	
	<b>INSURER E :</b>	
<b>INSURER F :</b>		<b>NAIC #</b>

### COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	X		BKW63776332	1/27/2011	1/27/2012	EACH OCCURRENCE	\$ 1,000,000
	<input type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000	
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	X		BAO53776332	1/27/2011	1/27/2012	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$						BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$	
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$			USO53776332	1/27/2011	1/27/2012	EACH OCCURRENCE	\$ 2,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						AGGREGATE \$ 2,000,000 \$ \$ WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$	
C	Professional Liability			AE820218	12/9/2010	12/9/2011	Each Occ/Agg	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
Job BC-03-17-11-25

### CERTIFICATE HOLDER

### CANCELLATION

Leon County Board of County Commissioners  
Engineering Services Division  
2280 Miccosukee Rd  
Tallahassee, FL 32308

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

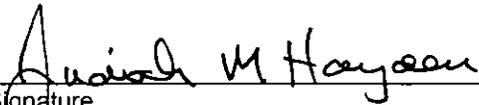
AUTHORIZED REPRESENTATIVE

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

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

  
\_\_\_\_\_  
Signature

Judith M. Hayden, P.E., President

\_\_\_\_\_  
Title

Environmental and Geotechnical Specialists, Inc.

\_\_\_\_\_  
Contractor/Firm

104 North Magnolia Drive, Tallahassee, FL 32301

\_\_\_\_\_  
Address

**LOCAL VENDOR CERTIFICATION**

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

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

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

Business Name: Environmental and Geotechnical Specialists, Inc.	
Current Local Address: 104 North Magnolia Drive Tallahassee, FL 32301	Phone: 850-386-1253  Fax: 850-385-8050
If the above address has been for less than six months, please provide the prior address.  Length of time at this address:	
Home Office Address: 104 North Magnolia Drive Tallahassee, FL 32301	Phone: 850-386-1253  Fax: 850-385-8050

Judith M. Hayden  
Signature of Authorized Representative

3-17-2011  
Date

STATE OF Florida  
COUNTY OF Leon

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

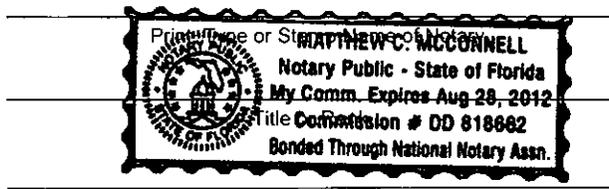
By Judith M. Hayden, President, of Environmental and Geotechnical Specialists, Inc.  
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

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

or has produced \_\_\_\_\_ as identification.  
(type of identification)

Matthew C. Jett  
Signature of Notary

**Return Completed form with supporting documents to:**  
  
**Leon County Purchasing Division**  
1800-3 Blair Stone Road  
Tallahassee, Florida 32308



Serial Number, If Any

**LICENSES**



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

[No Events](#)   
 [No Name History](#)

**Detail by Entity Name**

**Florida Profit Corporation**

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

**Filing Information**

**Document Number** V03297  
**FEI/EIN Number** 593101819  
**Date Filed** 12/31/1991  
**State** FL  
**Status** ACTIVE  
**Effective Date** 01/01/1992

**Principal Address**

104 NORTH MAGNOLIA DR  
TALLAHASSEE FL 32301 US

Changed 03/05/2010

**Mailing Address**

104 NORTH MAGNOLIA DR  
TALLAHASSEE FL 32301 US

Changed 02/08/2011

**Registered Agent Name & Address**

HAYDEN, JUDITH M.  
6725 BUCK LAKE RD.  
TALLAHASSEE FL 32317 US

Name Changed: 10/16/1992

Address Changed: 03/10/2004

**Officer/Director Detail**

**Name & Address**

Title P  
 HAYDEN, JUDITH M  
 6725 BUCK LAKE RD.  
 TALLAHASSEE FL 32317



# Florida Department of Transportation

CHARLIE CRIST  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450  
August 17, 2010

STEPHANIE C. KOPELOUSOS  
SECRETARY

Judith M. Hayden, P.E.  
President  
ENVIRONMENTAL & GEOTECHNICAL SPECIALIST, INC.  
104 N Magnolia Drive  
Tallahassee, Florida 32301

Dear Ms. Hayden:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to qualify your firm for the following types of work:

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
- Group 9 - Soil Exploration, Material Testing and Foundations
  - 9.1 - Soil Exploration
  - 9.2 - Geotechnical Classification Laboratory Testing
  - 9.3 - Highway Materials Testing
  - 9.4.1 - Standard Foundation Studies
  - 9.4.2 - Non-Redundant Drilled Shaft Bridge Foundation Studies
  - 9.5 - Geotechnical Speciality Laboratory Testing

Your Unlimited Notice of Qualification shall be valid until June 30, 2011 at such time as your December 31, 2010 overhead audit will be due to comply with the Department's requirement on overhead audits. We will automatically notify your firm 45 to 60 days prior to your update deadline.

On the basis of data submitted the Department has approved your accounting system and considers the rates listed below as acceptable rates for qualification purposes.

	<u>Home/Branch Office</u>	<u>Facilities Capital Cost of Money</u>	<u>Overtime Premium</u>	<u>Direct Expense</u>	<u>Published Fee Schedule</u>
Overhead Rate	150.41%	7.695%	Reimbursed	21.88% (Home)	Yes

Should you have any questions, please feel free to contact me at 850/414-4485.

Sincerely,

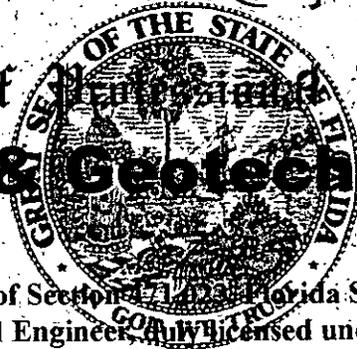
Lorraine E. Odom  
Professional Services  
Qualification Administrator

LEO/smr

# State of Florida

Board of Professional Engineers

## Environmental & Geotechnical Specialists



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

### Certificate of Authorization

EXPIRATION: 2/28/2013

AUDIT NO: 228201300520

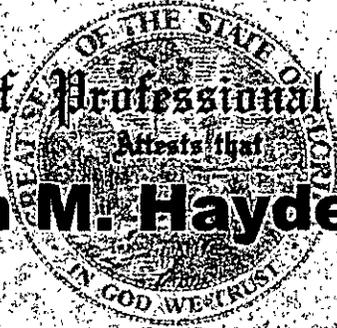
CA LIC. NO:

6222

State of Florida

Board of Professional Engineers

**Judith M. Hayden, P.E.**



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

EXPIRATION: 2/28/2013

P.E. LIC. NO.

AUDIT NO: 228201307185

43976

State of Florida

Board of Professional Engineers

**Myron Lewis Hayden, P.E.**



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

EXPIRATION: 2/28/2013

P.E. LIC. NO.

AUDIT NO: 228201306995

34067

State of Florida  
Board of Professional Engineers



**Thomas Harold Hayden, P.E.**

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

EXPIRATION: 2/28/2013

P.E. LIC. NO:

AUDIT NO: 228201317880

67492

State of Florida  
Board of Professional Engineers



**Derwood Cicero Sheppard Jr., P.E.**

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

EXPIRATION: 2/28/2013

P.E. LIC. NO:

AUDIT NO: 228201308002

69228

# ***Ability of Professional Personnel***

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## **STAFFING PLAN**

The staffing plan is essential to implementing the technical aspects of each assignment. EGS has carefully evaluated the proposed staffing plan to maximize the efficiency as well as the quality of any assignment requested by the County. The staff at EGS has provided professional services to the County since 1992 and has extensive experience in facilitating a cost-effective investigation and engineering design on all aspects of a project.

## **KEY PERSONNEL**

The professional staff at EGS is highly qualified with strong backgrounds in their respective areas of project involvement. A project organizational chart of the staffing plan is provided following this section, as well as individual resumes. Brief descriptions of the key team members and their respective positions follow:

**Judith M. Hayden, P.E.** – Contract Manager - Judith has over thirty (30) years of direct engineering experience as related to the environmental permitting and design of Public Works projects. As President of the firm, she will be responsible for project management as well as contractual and administration matters. She will also be responsible for all projects requiring environmental permitting.

**Myron L. Hayden, P.E., Ph.D** – Senior Geotechnical Engineer - Dr. Hayden has over thirty (30) years of soils and foundation experience. Myron's responsibilities will include developing the site specific scope of work for the geotechnical investigation, characterizations and analysis of existing conditions, and geotechnical recommendations and designs for proposed improvements.

**Thomas H. Hayden, P.E.** – Project Geotechnical Engineer - Tom has been working with EGS for eight (8) years and has specialized in the design of roadways, stormwater management facilities, and intersection improvements. He also has experience in management of the field program, monitoring project progress, and ensuring field and laboratory testing are in accordance with all project objectives. Tom was recently recognized for the Tekesta Drive Intersection Improvements Project which was selected as an APWA Project of the Year.

**Derwood Sheppard, P.E.** – Project Geotechnical Engineer - Derwood has been working with EGS for eight (8) years in the area of geotechnical design. Derwood has experience in the investigation and design of roadways, pile foundations, mast arm foundations, slope stability evaluations, and groundwater studies. Derwood also has extensive experience in the design of structural foundations.

**Jose Morales, E.I.** – Staff Engineer - Jose has worked for EGS for over four (4) years since completing his Masters Degree in geotechnical engineering. Jose is responsible for the advanced materials testing conducted on complex projects. Jose's duties also include conducting quality assurance/quality control monitoring of EGS's Laboratory Technicians to ensure compliance with EGS's strict quality standards.

**Audra Hayden, E.I. – Staff Engineer** - Audra has worked with EGS for three (3) years following the completion of her Masters of Science Degree in Geotechnical Engineering. Audra has worked on a variety of geotechnical projects ranging from minor subsurface investigations to complex geotechnical studies such as the slope stability analysis associated with the Cloudland Drive County project. The Cloudland Drive project was awarded the APWA Emergency Project of the Year at the State Conference in 2010. Audra also has extensive experience in the environmental permitting associated with Natural Feature Inventories, Environmental Impact Assessments, and Environmental Resource Permits.

**Matthew Landschoot, E.I. – Staff Engineer** - Matthew has worked for EGS for two (2) years. He has been active in conducting subsurface investigations for the pole foundations associated with the new Intelligent Transportation System (ITS). In addition, Matthew assisted with EGS's Senior Engineers on the remediation of several karst features including the emergency investigation and repair of a karst formation within Capital Cascade Park. This project was awarded the local APWA Emergency Project of the Year and has been nominated for the State Award for 2011.

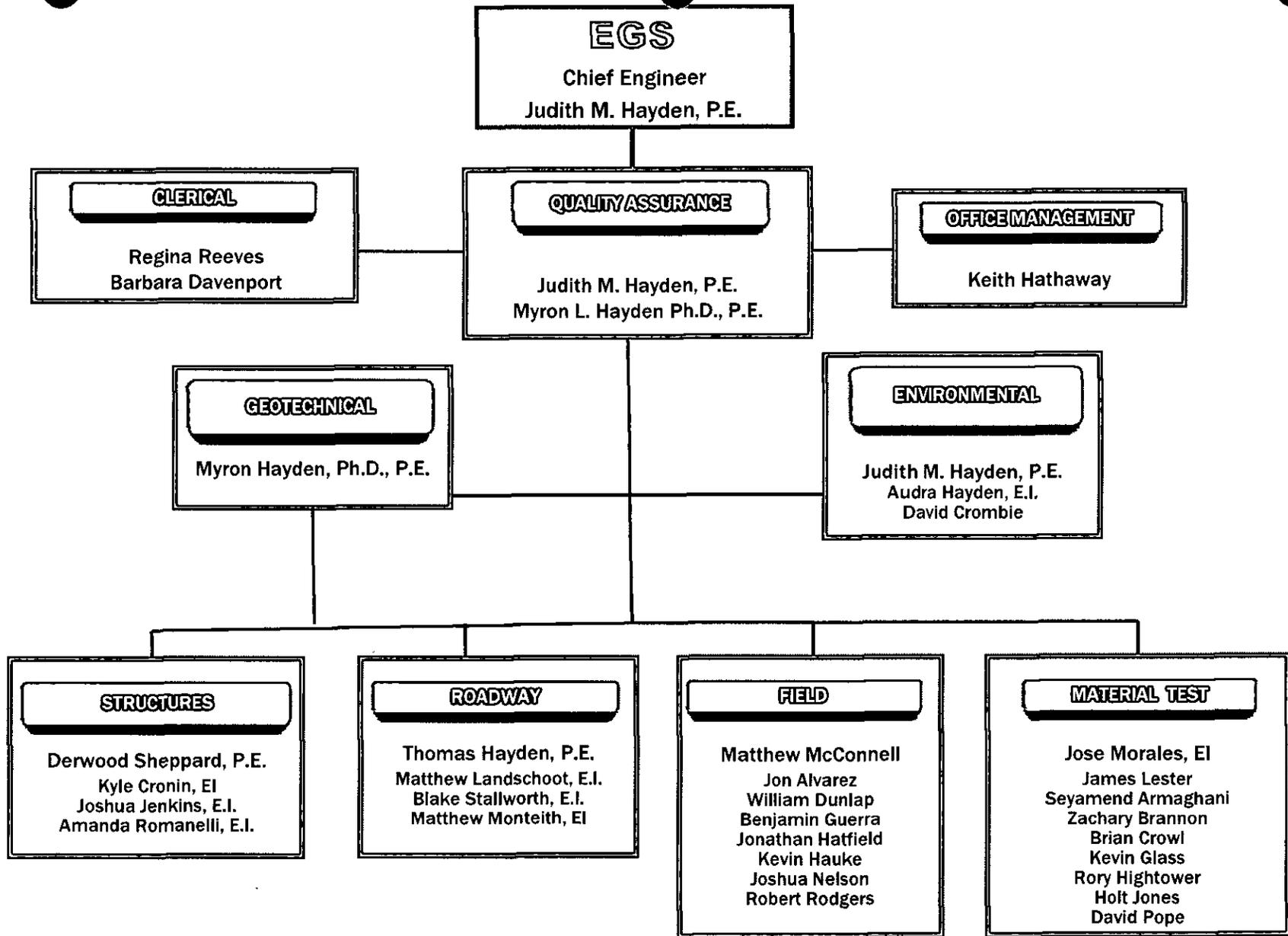
**Kyle Cronin, E.I. – Staff Engineer** - Kyle has worked for EGS for one (1) year since completing his Masters Degree in geotechnical engineering. Kyle has experience in the investigation and design of pile foundations, mast arm foundations, and slope stability evaluations. Kyle also has had experience in the design of roadways and intersection improvements.

**Blake Stallworth, E.I. – Staff Engineer** - Blake has been working with EGS for two (2) years. Blake has experience in the investigation and design of roadways, stormwater management facilities, intersection improvements, and asphalt design. Blake also has had experience in the design recommendations for the installation of culverts.

**Joshua Jenkins, E.I. – Staff Engineer** - Joshua has worked for EGS for one (1) year since completing his *Civil Engineering Degree from Florida State University*. During this period, Joshua has assisted the Project Engineer with the investigations for the design of pile foundations, mast arm foundations, high mast pole foundations, and slope stability evaluations. Joshua also has had experience in the design of box culverts and roadway improvements.

**Matthew Monteith, E.I. – Staff Engineer** - Matthew has worked for EGS less than one (1) year; however, during this short time Matthew has been active in conducting subsurface investigations for the design of roadways, stormwater management facilities, and intersection improvements. Matthew also has one (1) year experience working with a geotechnical firm in South Florida.

**Matthew C. McConnell – Drilling Supervisor** - Matthew has over twenty (20) years of experience performing geotechnical investigations, environmental investigations and performing construction monitoring activities. Matthew is responsible for the field activities, supervising the field personnel and maintaining accurate records and reports. Matthew has completed drilling projects for the FDOT in Northwest Florida where EGS had to drill over 200 feet in highly fractured rock for the design of deep foundations. Matthew was recently selected to attend the Annual National Advanced Drilling School in Idaho, where he worked with 15 other drillers from around the country on special drilling problems.



# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
BC-03-17-11-25

## PART II – GENERAL QUALIFICATIONS

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

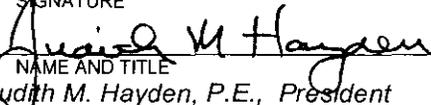
2a. FIRM (OR BRANCH OFFICE) NAME Environmental and Geotechnical Specialists, Inc.			3. YEAR ESTABLISHED 1992	4. DUNS NUMBER 79-285-9191
2b. STREET 104 N. Magnolia Drive			5. OWNERSHIP	
2c. CITY Tallahassee			2d. STATE FL	2e. ZIP CODE 32301
6a. POINT OF CONTACT NAME AND TITLE Judith M. Hayden, P.E., President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

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				
<b>Total</b>		<b>34</b>				

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

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3-17-11
c. NAME AND TITLE Judith M. Hayden, P.E., President	

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

**Judith M. Hayden, P.E.**  
**Contract Manager**

## **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

## **Special Qualifications**

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

**Years Experience with EGS: 18**

**Years Experience with Other Firms: 12**

## **Relevant Experience**

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

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

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

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

**Myron L. Hayden, Ph.D., P.E.**  
**Senior Geotechnical Engineer**

## **Professional Credentials**

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

## **Special Qualifications**

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

**Years Experience with EGS: 19**

**Years Experience with Other Firms: 16**

## **Relevant Experience**

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

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

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

# EGS ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.

**Thomas H. Hayden, P.E.**  
**Project Geotechnical Engineer**

## **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 –2009 Tallahassee Branch Young Engineer of the Year – 2010 Eastern Regional Young Engineer of the Year – 2011 Florida Section District IV Vice President
- 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 Leon County Design Standards
- CTQP/ACI Certifications: *Aggregate Field and Laboratory Testing 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 – Earthworks Level 1 and Level 2*

**Years Experience with EGS: 8**

**Years Experience with Other Firms: 3**

## **Relevant Experience:**

**Tekesta Drive, Leon County, Department of Public Works** – Conducted an emergency geotechnical investigation and design to remediate the pavement distress observed at the intersection of Bannerman Road and Tekesta Drive. The design included phased construction by the County crews, occurring over a low traffic period, because of the high volume of traffic at the intersection. The project was completed within the planned timeframe and traffic was maintained with only minor inconvenience to the public. The project was selected as an APWA Project of the Year by the local Big Bend Chapter.

**Lauder Stormwater Pond Slope Failure and Remediation, Leon County, Department of Public Works, Tallahassee, FL** – Developed and performed a subsurface investigation to determine the cause of the slope failure and develop an appropriate and cost-effective remediation plan. In addition, recommendations were provided to modify the existing slope and surrounding conditions to reduce its potential for reoccurrence.

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

**Derwood Sheppard, P.E.  
Project Geotechnical Engineer**

## **Professional Credentials**

Bachelor of Science, Civil Engineering, Florida State University, 2004  
Professional Engineer - Florida

## **Special Qualifications**

- Geotechnical design and investigation experience, including roadway studies, bridge designs and stormwater management
- Familiarity of Leon County Design Standards
- Familiarity of Construction Requirements and Techniques

**Years Experience with EGS: 8**

## **Relevant Experience**

**Districtwide Miscellaneous Geotechnical Consultant to the Florida Department of Transportation, District 3 , Chipley, FL** – Assisted with the design of various transportation related projects for 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.

**Leon County, Department of Public Works, General Service Contract, Tallahassee, FL** – Provides miscellaneous services to Leon County under a General Service Contract. The tasks have included the Geotechnical analysis for the design of culvert extensions, mast arm installation, slope evaluations, base failures, lane additions, structural foundations, stormwater ponds and sinkhole repairs.

**Cloudland Drive, Leon County, Department of Public Works** – Conducted an emergency geotechnical investigation and design for a slope failure located within a residential parcel which occurred during a 7-inch rain event. While the "standard solution" would have been the design of a retaining wall, a non-conventional remediation was recommended to prevent the potential "fall" hazard to the occupants of the property. The design included the installation of a system of underdrains within the slope to relieve the hydrostatic pressures, then backfilled. A geotextile fabric was "nailed" to the face of the slope using stainless steel nails averaging 6-feet in length. Topsoil was then placed over the slope, covered with an erosion mat, then sodded. The project was awarded the APWA Emergency Project of the Year at the State Conference in 2010.

**Lauder Stormwater Pond, Leon County, Department of Public Works** – Assisted with the geotechnical investigation to evaluate the potential of a sinkhole formation as well as to provide a remedial slope design. The project included the use of ground penetrating radar, as well as soil borings, to evaluate the subsurface conditions in 3 dimensions at the location of a formed depression.

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

**Audra Hayden, E.I.**  
**Staff Engineer**

## **Professional Credentials**

Bachelor of Science, Civil Engineering, Florida State University, 2007

Master of Science, Civil Engineering, Florida State University, 2009

## **Professional Organizations**

American Society of Civil Engineers

Florida Engineering Society, 2011 Big Bend Chapter Secretary, 2011 Mathcounts Committee Chairman

## **Years Experience with EGS: 4**

### **Relevant Experience**

**Cloudland Drive, Leon County, Department of Public Works** – Assisted with the emergency geotechnical investigation and design for a slope failure located within a residential parcel which occurred during a 7-inch rain event. While the “standard solution” would have been the design of a retaining wall, a non-conventional remediation was recommended to prevent the potential “fall” hazard to the occupants of the property. The design included the installation of a system of underdrains within the slope to relieve the hydrostatic pressures, then backfilled. A geotextile fabric was “nailed” to the face of the slope using stainless steel nails averaging 6-feet in length. Topsoil was then placed over the slope, covered with an erosion mat, then sodded. The project was awarded the APWA Emergency Project of the Year at the State Conference in 2010.

**SR 20 over Gum Creek Bridge Replacement in Leon County – FDOT District 3,** – Assisted with the environmental permitting for SR 20 (Blountstown Highway) over Gum Creek in Leon County. The project included obtaining the following Leon County Growth Management Permits: *Natural Features Inventory Permit*, the *Environmental Impact Analysis Permit*, and the *Environmental Management Permit*. In addition, permitting for wetland impact was obtained through the joint submittal of the ERP application with the Northwest Florida Water Management District and the U.S. Army Corps of Engineers.

**SR 261 (Capital Circle SE), Leon County, Blueprint 2000 & Beyond** – Assisted with 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, the US Fish and Wildlife Service, and the Northwest Florida Water Management District.*

**SR 10 Reconstruction from Dempsey Mayo Road to SR 8 (I-10) Interchange, Leon County, FL, FDOT District 3-** Assisted with the geotechnical investigation and design of the widening and reconstruction of SR 10 (US 90). The project included the design of the roadway foundation, water control structures, two (2) bridges, temporary sheet piling, erosion protection and high cut and fill areas.

## ***Experience with Projects of a Similar Type and Size***

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### **PREVIOUS PROJECTS COMPLETED IN LEON COUNTY**

**Selena Road Improvement Project, Leon County, Department of Public Works -** Conducted a geotechnical investigation to evaluate the subsurface conditions along Selena Drive and Old Pine Acres Trail. The investigation was performed to provide geotechnical recommendations to the roadway and stormwater improvements that have been proposed for this Project. EGS performed an Electrical Resistivity Imaging (ERI) study at three (3) locations that were identified as "active" karst features within the project limits. Thomas Hayden, P.E. was the Geotechnical Project Engineer for this Investigation. (Prime Consultant was PBS&J, Inc. working for Leon County Public Works).

**Capital Cascade Park Design, Leon County, Blueprint 2000 and Beyond (Joint Intergovernmental Agency) –** Conducted the geotechnical investigations to evaluate the subsurface conditions for the proposed Capital Cascade Park Improvement Project. This investigation was performed to provide geotechnical recommendations to the roadway and stormwater improvements that have been proposed for this Project. EGS is currently providing "post-design" Engineering Services to the TEAM for this project during construction. Myron Hayden, P.E. was the Geotechnical Project Engineer for these Investigations. (Prime Consultant was Genesis Group, Inc. working for Blueprint 2000 and Beyond).

**Franklin Boulevard Drainage Improvement, Leon County, Blueprint 2000 and Beyond -** Conducted a geotechnical investigation to evaluate the subsurface conditions for the proposed Franklin Boulevard Drainage Improvement Project. This investigation was performed to provide geotechnical recommendations and geotechnical design parameters to aid in the design of the proposed box culvert. The proposed box culvert is to enclose the existing drainage channel along Franklin Boulevard. Derwood Sheppard P.E. is the Geotechnical Project Engineer for this Investigation with an anticipated completion date of April 2011. (Prime Consultant is Genesis Group, Inc. working for Blueprint 2000 and Beyond).

**Capital Circle Widening, Segments 1 through 4, Leon County, Blueprint 2000 and Beyond -** Conducted the geotechnical investigations for the four (4) segments to evaluate the subsurface conditions for the proposed Capital Circle Improvement Projects. These investigations were performed to provide geotechnical recommendations for the roadway, structures, and stormwater improvements for this Project. Myron Hayden, P.E. and Thomas Hayden P.E. were the Geotechnical Project Engineers for these Investigations. (Prime Consultant was Genesis Group, Inc. working for Blueprint 2000 and Beyond).

**Sunflower Road Improvement Project, Leon County, Department of Public Works -** Conducted a geotechnical investigation to evaluate the subsurface conditions for the proposed roadway and stormwater improvements along Sunflower Road. This investigation was performed to provide geotechnical recommendations to the roadway design and stormwater permeability parameters of the subsoils. Thomas Hayden P.E. was the Geotechnical Project Engineer for this Investigation. (Prime Consultant was PBS&J, Inc. working for Leon County Public Works).

**Lake Munson Sediment Evaluation, Leon County, Department of Public Works -** Conducted the geotechnical investigation to evaluate the depth and environmental characteristics of the sediments within Lake Munson. This study was part of the Munson Slough Drainage Improvements Project. The investigation included mapping the natural lake bottom, top of existing sediment, potential engineering reuse properties, dewatering characteristics and disposal options. In addition, the environmental constituents of the sediment was tested to evaluate if the sediments could be used as uncontrolled fill or needed to be placed in a permitted Landfill. Myron Hayden, P.E. was the Geotechnical Project Engineer for this Investigation. (The study was conducted for the Leon County Department of Public Works)

**Cloudland Drive, Leon County, Department of Public Works –** Conducted an emergency geotechnical investigation and design for a slope failure located within a residential parcel which occurred during a seven (7) inch rain event. While the “standard solution” would have been the design of a retaining wall, a non-conventional remediation was recommended to improve safety for the residents of the property. The design included the installation of a system of underdrains within the slope to relieve the hydrostatic pressures, prior to backfilling. A geotextile fabric was “nailed” to the face of the slope using stainless steel nails averaging six (6) feet in length. Topsoil was then placed over the slope, covered with an erosion mat and sodded. The project was awarded the APWA 2009 Emergency Project of the Year for the State of Florida. Myron Hayden, P.E. was the Geotechnical Project Engineer for this Investigation. (The study was conducted for the Leon County Department of Public Works)

**Lauder Stormwater Pond, Leon County, Department of Public Works –** Conducted a geotechnical investigation to evaluate the likelihood that a depression in the Stormwater Pond was the result of active karst conditions. The project included the use of ground penetrating radar, as well as soil borings. The results identified the cause of the depression to be buried organic debris and not active karst conditions. Myron Hayden, P.E. was the Geotechnical Project Engineer for this Investigation. (The study was conducted for the Leon County Department of Public Works).

**Tekesta Drive, Leon County, Department of Public Works –** Conducted an emergency geotechnical investigation and design to remediate the pavement distress observed at the intersection of Bannerman Road and Tekesta Drive. The design included phased construction by Leon County personnel during a holiday period to reduce impact to the high volume of traffic normally using the intersection. The project was completed within the planned timeframe and traffic was maintained with only minor inconvenience to the public. The project was selected as one of APWA’s 2010 Projects of the Year by the Big Bend Chapter. Thomas Hayden, P.E. was the Geotechnical Project Engineer for this Investigation. (The study was conducted for the Leon County Department of Public Works)

## **Special Resources**

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### **Specialized Equipment**

EGS is a full service geotechnical consulting firm, which provides subsurface drilling, soil sampling, laboratory testing, engineering evaluations and recommendations for a wide range of projects. EGS has the specialized equipment, including hardware and software, required to meet the accuracy for the field and laboratory support services in accordance with the current FDOT, AASHTO and ASTM Standards and Specifications. A list of the equipment, as well as photographs, is included below.

<b>DRILL RIG</b>	
Brainard Kilman Model BK 51 HD Truck Mounted (Year 2000) (Mounted on 1999 International Truck) (Automated SPT Hammer)	
Central Mine Equipment Company Model CME-550X (Year 2003) All Terrain Drill and Equipment (Automated SPT Hammer)	
AMS Power Probe Model 9700 VTR (Year 2007)	
Central Mine Equipment Company Model CME-75 (Year 1992) (Mounted on a 2005 International Truck) (Automated SPT Hammer)	
Custom "Swamp Skid" Mounted Drill Rig (Fabricated 2010) (Manual SPT Hammer)	
<b>TRAILERS</b>	<b>OFF-ROAD VEHICLES</b>
2009 Anderson Trailer	2004 Kawasaki
2007 Anderson Trailer	2002 Artic-Cat
2003 Crosley Trailer	<b>BOATS</b>
2001 Turtle King Trailer	18' Xtreme Boat & Godevil Motor with Boat Trailer
2001 Turtle King Trailer	
1995 Homemade Trailer	

<b>SUPPORT VEHICLES</b>	
2002 International Truck Model 9100	2007 GMC Truck
1998 Ford Sterling 285 Hp Truck	2006 GMC Sierra 1500
1999 International Truck	2006 GMC Sierra 1500
2010 Chevrolet 3500 Diesel	2005 GMC Sierra 1500
2008 GMC 3500 Diesel	2004 GMC Sierra 1500
2007 GMC 3500 Diesel	2003 GMC Envoy
2007 GMC 3500 Diesel	1999 Jeep Cherokee

## FIELD EQUIPMENT

Portable Steam Decontamination Units	Hand Augers and Extensions
200 Gallon Water Tanks	Dynamic Penetration Test Set
Pressure Cleaner	Cone Penetration Test Set
Acker Christensen HWD-4 Split Core Barrel and Bits	Slump Cone
Hollow Stem Auger (10.25, 6.25, 4.25, 2.25) and Bits	Field Survey Equipment
Desander Equipment	Hand Held Two-Way Radios
Solid Stem Auger (4", 3")	Lined Material Sacks
Mud Rotary Capabilities	150' Electronic Water Level Indicators
Asphalt/Concrete Core Machine (4" and 6")	Submersible Pumps
Nuclear Moisture/Density Gauge	Centrifugal Pumps
Heathtech Detecto-Pak III Flame Ionization Detector	Arch Pneumatic Pumps
Organic Vapor Analyzer (FID-OVA)	Peristaltic Pumps
Geoprobe Unit (Soil and Water Sampler)	BK Hand Pumps
Miscellaneous Drilling Tools	Teflon Bailers
Chain Saw	12 Gallon Air Compressor
Air Meters	Traffic Control Signs and Cones
	Avionics Radio

## LABORATORY EQUIPMENT

U.S. Standard Sieves (Full Range)	Water Conductivity Meter
Ohaus Solution Balances	Soil Conductivity Meter
Soiltest Triple Beam Balances	Temperature and pH Meter
Bench Scale	Thermometers
Hamilton Beach Soil Mixers	Soil Resistivity Meter
Misc. Graduated Cylinders	Flow Meter
Soil Hydrometer Cylinders	Digital Multimeter
Soil Hydrometers	Hydrogen/Methane Gas
Standard Soil Drying Ovens	Standard Proctor Molds
Microwave Ovens	Standard Proctor Hammer
1300 Degree C Muffle Furnaces (3)	Standard Proctor Extruder
Digital Scales	Modified Proctor Molds
Soiltest Atterberg Limits	Modified Proctor Hammer
Mixing Tools and Bowls	Modified Proctor Extruder
Triaxial Cell	Sand Cone and Set
Triaxial Compression Machine	Mechanical Consolidation Device
Sound Enclosure	Geotest Consolidation Device
Single Table-top Burner	Welch Duo-Seal Vacuum Pump
Despatch LBB Series Ovens (4)	Artic Cat Generator
CC4-- M Concrete Saw	Coleman Powermate Air Compressor
Permeameter	Concrete Air Entrainment Measurer
Moisture Curing Tank (3)	Mechanical Shaker
Soak Tanks	Gravity Apparatus
Water Bath	Compaction Hammer
Pneumatic Direct Shear	Melting Pot
Asphalt Oven	Asphalt Vacuum
Speedy Moisture Tester	BK Fixed Head Permeameter
Soiltest Field Scale	BK Variable Head Permeameter
Reinhart LBR Machine	Torvane Shear Apparatus
Reinhart LBR Recorder	Turbidity Meter
LBR Molds and Spacers	Dissolved Oxygen Meter
LBR Hammer and Extruder	Unconfined Compression Machine
Durham Geo LBR Machine	Shelby Tube Extruder
Durham Geo LBR Recorder	Craftsman 6-in Bench Grinder
Colorimetric Kit	Pycnometer
Soil Extractor	Pulverizing Apparatus
Pocket Penetrometer	Jaw Crusher Apparatus
Ryobi 14" Chop Saw	Splitter Device
Forced Air Oven	Penetrometer

## ***Willingness to Meet Schedule and Budget Requirements***

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### **Willingness to Meet Schedule Requirements**

EGS prides itself in its ability to meet or exceed our client's project schedule needs. Based on our past experience with Leon County Public Works, EGS knows that often times the geotechnical and environmental services become the critical path factors for a Project. Because of this issue, EGS Project Managers strive to provide the requested services before the requested due date of the Report. This effort often allows for Projects to be completed ahead of schedule.

### **Willingness to Meet Budget Requirements**

EGS understands that the budget is often the most paramount factor of a Project. Because of this, EGS strives to provide comprehensive cost proposals, which incorporates all of the requested scope. This allows the client to be confident that supplemental costs will not be incurred based on misinterpretation of the requested services. EGS will not submit a supplemental cost proposal on a project unless the Scope of the Project has been expanded or significantly changed.

## ***Effect of Recent, Current and Future Work Load***

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### **STAFFING CAPABILITIES**

EGS has an experienced team consisting of a senior geotechnical engineer, two (2) project engineers, eight (8) staff engineers, two (2) senior engineering technicians, and twelve (12) engineering technicians and technician aids. All staff members are familiar with the requirements for geotechnical investigations and report submittals and are certified for a wide range of geotechnical laboratory and field testing. The EGS geotechnical team is very familiar with the requirements of the federal, state and local governments, in addition to FDOT and Leon County policies and procedures.

In the environmental area, EGS has a senior level environmental engineer, a staff engineer, a biologist and two (2) field technicians. The team has experience with the regulatory requirements regarding the impact to environmentally sensitive areas. The EGS environmental team is very familiar with the requirements of the Leon County Growth Management Department, the City of Tallahassee Growth Management Department, the Northwest Florida Water Management District, the Florida Department of Environmental Protection, and the U.S. Army Corps of Engineers.

The EGS team will be dedicated to this project during the time periods necessary to provide the services required.

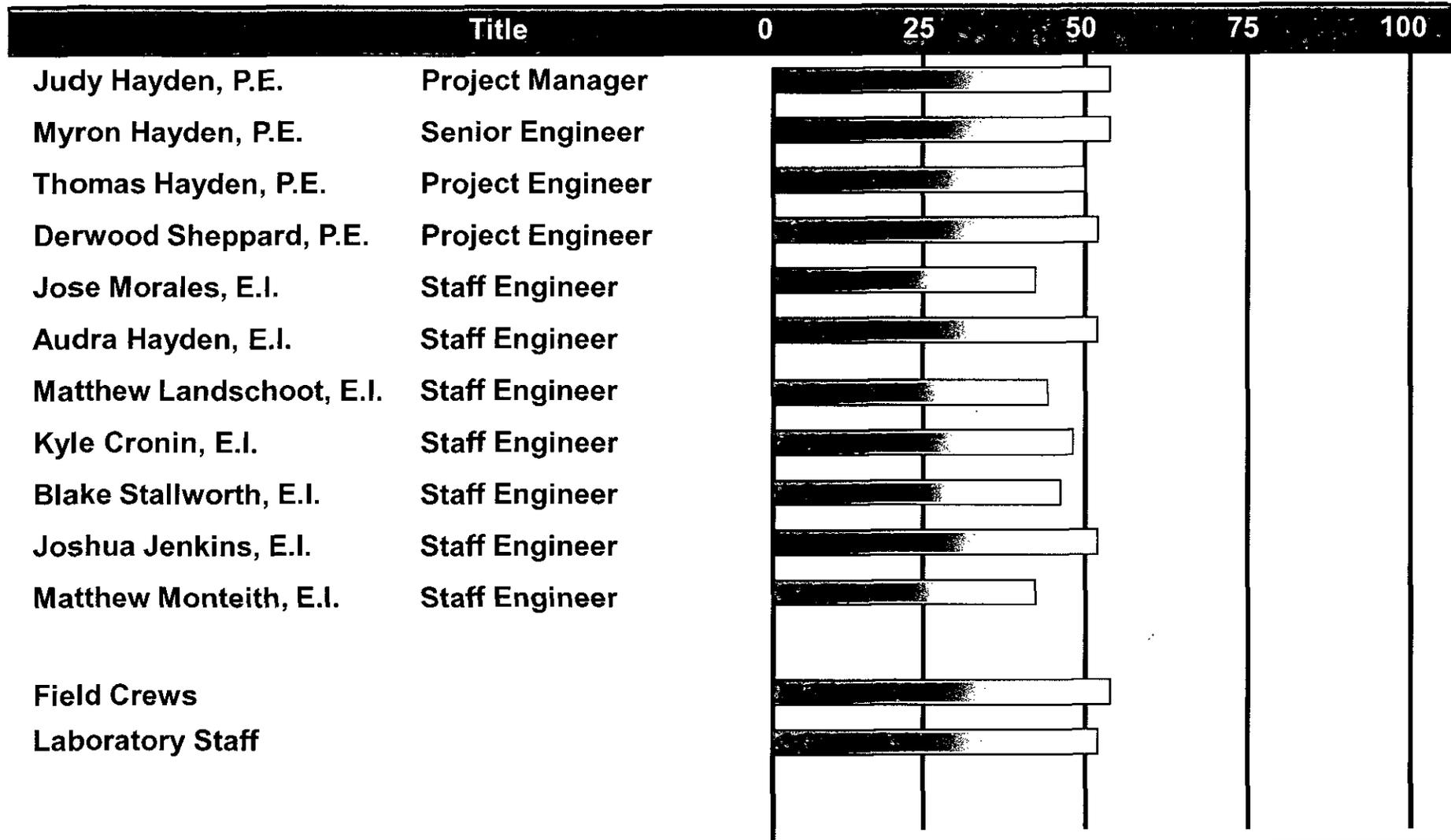
### **STAFFING AVAILABILITY AND LOCATION**

All of EGS's 36 staff members are located within the City of Tallahassee. The fact that EGS's Engineering Office is located at 104 North Magnolia and EGS's Laboratory and Field Service Office is located only a few blocks away at 3154 Eliza Road means that EGS can be responsive to the County during this contract period. Close proximity of EGS's drilling and field services means reduced mobilization costs and personnel costs.

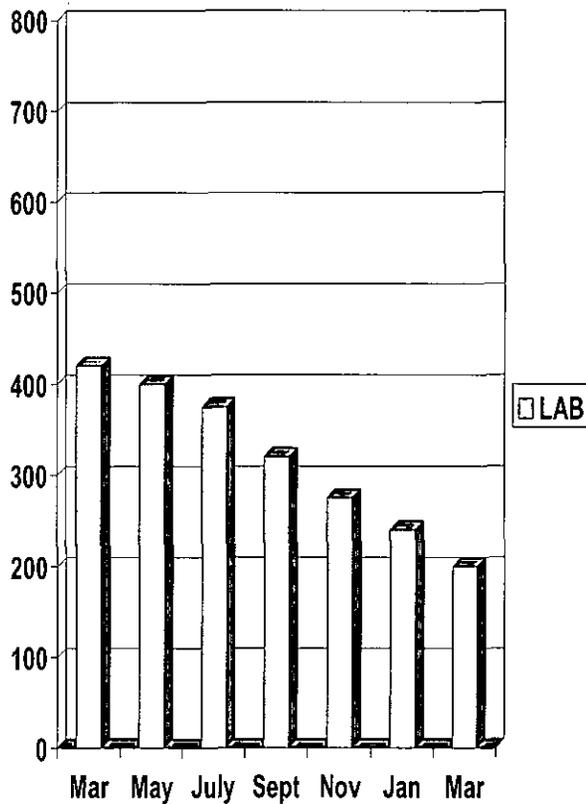
EGS's current workload commitments are approximately fifty (50) percent of EGS's available time for its professional and technical staff for the upcoming year. A committed utilization of fifty (50) percent means EGS can be responsive to the County's needs and requirements.

# Staff Availability

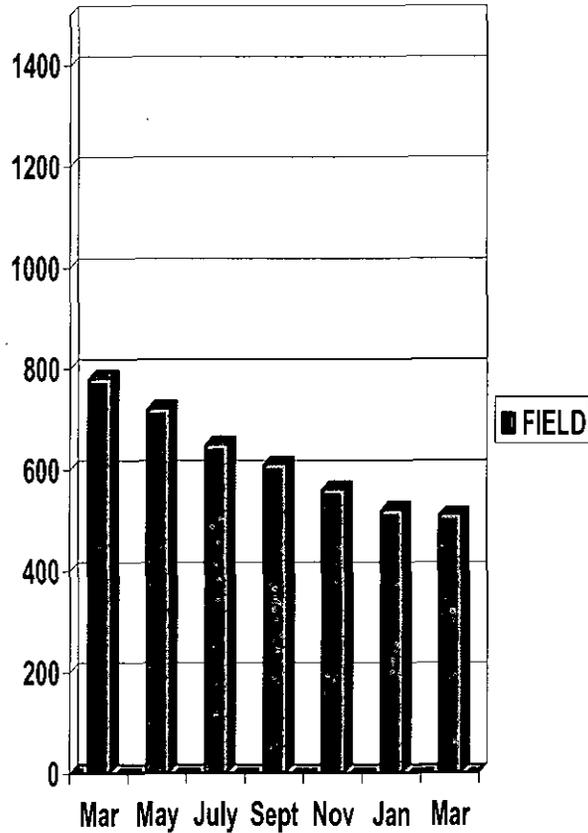
Projected Time Availability (%) March 2011 – March 2012



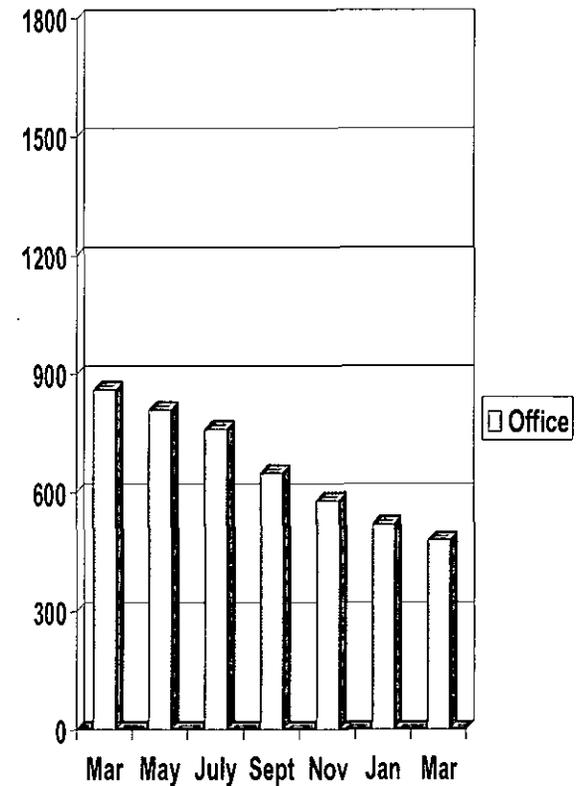
# EGS Staff Current Workload



Max Capacity = 800 Staff  
Hours/Month



Max Capacity = 1500 Staff  
Hours/Month



Max Capacity = 1,800 Staff  
Hours/Month

## ***Effect of Project Team Location***

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### **RESPONSIBLE OFFICE/PROXIMITY TO PROJECT**

EGS is a local firm with their entire staff located within Tallahassee, Florida. EGS's Engineering Design Office is located at 104 North Magnolia, while EGS's Laboratory and Field Services Office is located only a few blocks away at 3154 Eliza Road. The close proximity of these two offices provides for direct involvement of the engineering staff in the subsurface investigation and materials testing portion of the projects. The office locations also provide a convenient access to all Leon County projects which will result in increased efficiency and reduction in response time.

# ***Approach to the Project***

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## **PROJECT APPROACH**

EGS will provide all the services requested to execute each task in an efficient and timely manner with the delivery of a quality product to the County. Following notification of an assignment, EGS will schedule a meeting with the County's Project Manager to discuss the scope of services for a project. Following the meeting with the County's Project Manager, a written cost proposal will be provided by email, which will contain a description of the locations and depths of the soil exploration, proposed testing, man-hours and anticipated schedule. Following concurrence with the County's Project Manager, EGS will submit the cost proposal in writing.

Immediately upon receiving the Notice to Proceed, EGS will obtain utility clearance, schedule the investigation, establish meeting dates and provide the County's Project Manager with an updated schedule, including the date for deliverables. In addition, EGS will provide Progress Reports on a biweekly basis to the County Project Manager.

EGS will provide all the required support services in accordance with the current FDOT, AASHTO and ASTM Standards and Specifications. EGS personnel are familiar with the geotechnical and environmental issues required for the successful completion of municipal projects. EGS is continually updating its internal quality control and constructability review programs to develop cost-effective, focused and constructible design services in the changing construction environment.

## **PROJECT METHOD**

While each Task Assignment under this Contract will have individual characteristics, EGS will follow the same systematic approach to each Task Assignment as outlined below:

### **Project Initiation**

- Meet with the Project Manager to establish the scope and to identify any special requirements that may affect the project's timeframe (i.e. utility coordination, access to property).
- Set up project files emphasizing proposed scope, date of submittals and critical time elements.
- Review pertinent published literature of the project area such as the USDA Soil Survey, GIS topographic maps, aerial photographs and groundwater resource maps.
- Mark the soil borings in the field through the use of paint, in-ground stakes and flagging.
- Obtain appropriate utility clearance (48 hour notice) and record clearance number in the project file and field book.

### **Field Investigations**

- Mobilize equipment to site and install construction zone signs and traffic control devices.
- Install soil borings to appropriate depths at marked locations.
- Hand auger the first 5 feet in areas where utilities are known to be present and conduct CPIs through the hand augered zone.
- Note depth to groundwater, depth to seasonal high water, soil characteristics, subsurface conditions and SPT "N" values in field book..
- Collect samples in sealed container, recording boring ID, location, and depth on container and in field book.

- Transport samples to EGS laboratory.
- Fill and/or grout bore hole, clean site of debris, demobilize equipment.

### **Laboratory Testing**

- Conduct moisture content test on all samples within 24 hours.
- Review field book and samples, identify soil samples for recommended test procedures, and conduct testing. Testing may consist of, but is not limited to, the following:
  - Sieve Analysis
  - Hydrometer Analysis
  - Atterberg Limits and Soil Plasticity
  - Triaxial Compression
  - Consolidation Testing
  - Corrosion Testing and Organic Contents
  - Specific Gravity
  - Unconfined Compressive Strength
  - Split Tensile Strength
  - LBR

### **Typical "Table of Contents" for Geotechnical Report**

- Introduction/Scope of Work
- Site Location and Description
- Proposed Construction
- Subsurface Investigation
- Subsurface Conditions
- Foundation Recommendations
- Tables, Figures, and Appendices
  - Soil Survey Sheets
  - Boring Logs
  - Soil Classification Data
  - Calculation/Computer Modeling

### **QUALITY REVIEW**

Each Task Assignment under this Contract will include a Quality Control Program which focuses on the following three (3) goals:

- Accuracy and completeness of all project deliverables;
- Compliance with the project's and client's requirements; and,
- Adherence to the project schedule and budget.

These goals are accomplished by developing a Quality Control Plan that is project specific. The Plan originates with development of a scope of work, which includes a schedule of deliverables, to accurately identify the clients' needs. A Project Checklist is originated for each new project and attached to the Project File. Milestone submittals of required documents are then established and identified on the Project Schedule. Items requiring special procedures, such as utility clearance, are identified. The Project Schedule is reviewed each Monday and updated as necessary with all activities recorded on the Project Checklist. A Project Update Report is completed at the beginning of each month and provided to the client defining the work completed to date as well as the proposed schedule of upcoming work.

Reviews of technical documents are scheduled and performed prior to every submittal. For each review, a Review Checklist is completed to assure that all items are checked for quality and completeness. This checklist is signed and kept in the project file.

Quality control is also emphasized with respect to maintenance of equipment. The laboratory and field equipment are maintained and calibrated on a regular basis to assure accuracy and to prevent "down time". A checklist of all equipment is maintained in the equipment file to assure that maintenance is conducted on the manufacturer's recommended time schedule. Duplicate "random" test samples are run to verify the accuracy and consistency of laboratory testing and testing personnel. EGS also emphasizes the importance of training and the currency of testing licenses as recommended by ASTM.