

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

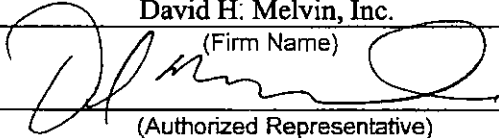
THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

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 David H. Melvin, Inc.  
(Firm Name)  
  
(Authorized Representative)  
David H. Melvin, PE, President  
(Printed or Typed Name)  
ADDRESS 2541-1 Barrington Circle  
CITY, STATE, ZIP Tallahassee, FL 32308  
TELEPHONE (850) 671-7221  
FAX (850) 671-7223

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

**RESPONSE  
TO  
REQUEST FOR  
PROPOSALS  
FOR  
CIVIL  
ENGINEERING  
SERVICES,  
CONTINUING  
SUPPLY  
FOR  
THE BOARD OF  
COUNTY  
COMMISSIONERS  
OF  
LEON COUNTY,  
FLORIDA**

**PROPOSAL NUMBER**

**BC-03-17-11-25**

**DAVID H. MELVIN, INC.**  
*Consulting Engineers*

**1**

**CONTRACTOR  
INFORMATION**

**2**

**EXECUTIVE  
SUMMARY**

**3**

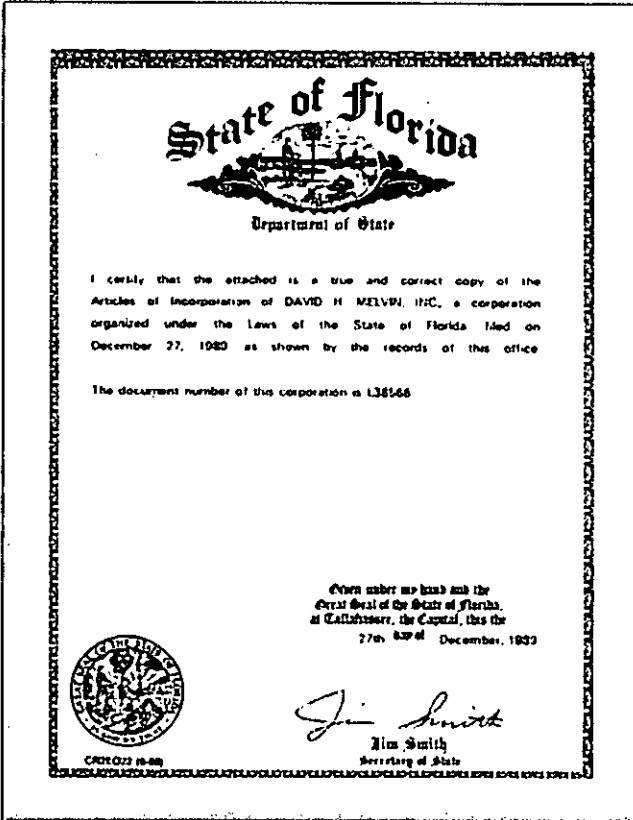
**REQUIRED  
FORMS**

**4**

**SPECIFIC PROPOSAL  
INFORMATION  
FOR EACH WORK  
CATEGORY**

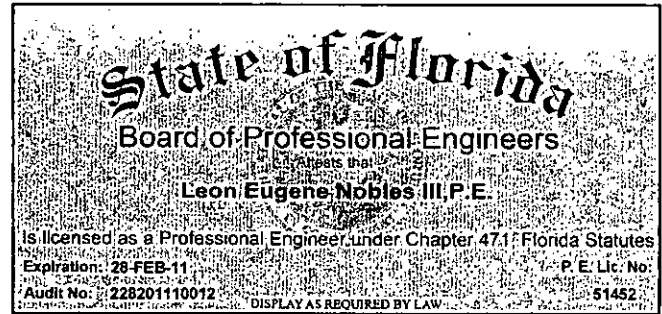
**5**

**ADDITIONAL  
INFORMATION**



State of Florida  
 Board of Professional Engineers  
**David H. Melvin, P.E.**

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES  
 EXPIRATION: 2/28/2013 P.E. LIC. NO: 38734  
 AUDIT NO: 228201308474



Renewal License has been requested three times and has not been received. Will provide upon receipt.



State of Florida  
 Board of Professional Engineers  
**Omar Sean Martin, P.E.**  
 Special Inspector

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES  
 EXPIRATION: 2/28/2013 P.E. LIC. NO: 53939  
 AUDIT NO: 228201302752 SI S.I. LIC. NO: 1183

State of Florida  
 Board of Professional Engineers  
**Kimberly Michelle Holloway, P.E.**

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES  
 EXPIRATION: 2/28/2013 P.E. LIC. NO: 69186  
 AUDIT NO: 228201302003

State of Florida  
 Board of Professional Engineers  
**Natacha Odom Phillips, P.E.**

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES  
 EXPIRATION: 2/28/2013 P.E. LIC. NO: 60214  
 AUDIT NO: 228201305682

State of Florida  
 Board of Professional Engineers  
**Rodney Oneal Adams, P.E.**

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES  
 EXPIRATION: 2/28/2013 P.E. LIC. NO: 61599  
 AUDIT NO: 228201309155



*Florida Department of Transportation*

CHARLIE CRIST  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS  
SECRETARY

July 9, 2009

Leon E. Nobles, III  
Vice President  
DAVID H. MELVIN, INC.  
4428 Lafayette Street  
Marianna, Florida 32446

Dear Mr. Nobles:

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
  - 3.2 - Major Highway Design
- Group 4 - Highway Design - Bridges
  - 4.1.1 - Miscellaneous Structures
- Group 7 - Traffic Operations Design
  - 7.1 - Signing, Pavement Marking and Channelization
  - 7.3 - Signalization
- Group 10 - Construction Engineering Inspection
  - 10.1 - Roadway Construction Engineering Inspection
  - 10.3 - Construction Materials Inspection
- Group 13 - Planning
  - 13.6 - Land Planning/Engineering
- Group 15 - Landscape Architect

[www.dot.state.fl.us](http://www.dot.state.fl.us)



Page Two

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.

	Home/Branch Office	Facilities Capital Cost of Money	Overtime Premium Reimbursed	Direct Expense
Overhead Rate	226.32%	1.495%		0.85% (Home)

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

Sincerely,

*Lorraine E. Odom*

Lorraine E. Odom  
Professional Services  
Qualification Administrator

LEO/smr

## B. EXECUTIVE SUMMARY

David H. Melvin, Inc., a full service engineering firm, provides a broad spectrum of design and consulting services to clients in Northwest Florida. The Melvin team is comprised of professional engineers, landscape architects, planners, designers, grants administrators, contract managers, construction inspectors, and technicians who possess the abilities to meet design and project challenges. Since 1989, Melvin Engineering has applied experience and knowledge to help clients realize their objectives beginning with innovative concepts through final construction inspection and project close-out; from simple design to complex permitting; from sensitive environmental considerations to regulatory compliance.

David Melvin, P.E., Principal and Founder of Melvin Engineering, started the company in Tallahassee soon after graduating from the University of Florida. With offices now located in **Marianna and Tallahassee**, our staff is easily accessible and available to be on-site within a short time to address any project design and/or construction issue. Founded on the principles of good character, the corporate culture of Melvin Engineering reaches wherever our employees live, work, and play. Encouraged to participate in community activities, not only are staff members highly qualified and experienced, but they are also individuals of character. Florida Trend Magazine recently named Melvin Engineering as one of Florida's Best Places to Work. That culture translates into highly effective employees with our clients and communities receiving great benefit.

Serving clients with proficiency in design, responsibility in finance and budget, and on-time service delivery, Melvin Engineering enjoys a reputation built upon integrity in the disciplines of

*transportation*  
*structural engineering*  
*water/wastewater systems*  
*environmental assessment and evaluation*  
*civil design*  
*landscape architecture*  
*planning*  
*land development*  
*grants administration*  
*construction inspection*  
*and construction management.*

Melvin Engineering is committed to quality results and dedicated to professional standards while providing clients customer service built upon trust and accountability.

We greatly appreciate the opportunity to submit our formal proposal to provide professional engineering services. It has been our privilege to provide professional engineering services for clients located throughout Northwest Florida for the past 21 years. We enjoy working with the cities, counties, and local communities who are our neighbors and are very grateful for the opportunities given us in the past. We believe our design team is best suited for this project based on the following and hope, upon review, you will agree:

### Experience

Melvin Engineering's experience and knowledge of civil and structural design, construction engineering inspection, grants administration, and other related services is extensive—from Leon County and all points west. We fully understand that projects are not successful until they meet time and budget deadlines.

Our experience and knowledge of similar projects will serve the County well. Experience gained as a pre-qualified Florida Department of Transportation consultant translates easily in applying federal, state, and local standards to Leon County projects. In addition, because of our previous experience with many local government entities and the number of varied and challenging projects our staff has undertaken, we know and well understand policies, procedures, and practices.

### Location

We offer the County a significant advantage inasmuch as our firm is located within a short driving distance of any project site located within the County. We are literally minutes away from County offices. Coupled with our experience, our availability is another plus to the County when considering immediate, on-time, on-site response.

### Workload

Our workload is such that we will immediately devote our design efforts to County projects. Each employee assigned to this project is a full-time staff member so we maintain control over assignments and schedules. We are committed to working diligently with you to ensure project success.

Again, thank you for consideration of our firm, and will count it an honor to work with you to bring Leon County projects to a successful completion with expectations met – **On Time and Within Budget!**

Sincerely,

David H. Melvin, P.E.  
President

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**AFFIDAVIT CERTIFICATION  
IMMIGRATION LAWS**

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

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

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


Company Name: David H. Melvin, Inc.

Signature:  Title: President

STATE OF Florida  
COUNTY OF Jackson

Sworn to and subscribed before me this 16 day of March, 2011.

Personally known

  
NOTARY PUBLIC

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

Notary Public - State of Florida

(Type of identification) \_\_\_\_\_ My commission expires: 10-27-13



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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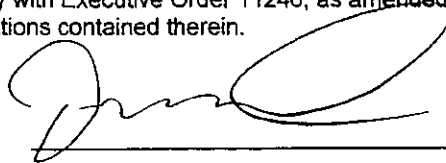
**EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT**

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: \_\_\_\_\_

Firm: \_\_\_\_\_

  
\_\_\_\_\_  
**President**  
\_\_\_\_\_  
**David H. Melvin, 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 insurance sign-off form, signed by the company Risk Manager or authorized manager with risk authority.

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

YES     NO

Commercial General Liability:

Indicate Best Rating:  
Indicate Best Financial Classification:

  A+    
  XV  

Business Auto:

Indicate Best Rating:  
Indicate Best Financial Classification:

  A+    
  XV  

Professional Liability:

Indicate Best Rating:  
Indicate Best Financial Classification:

  A    
  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:

  XV     A+  

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

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

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

YES     NO

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

Required Coverage and Limits

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

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Required Policy Endorsements and Documentation

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

Deductibles and Self-Insured Retentions

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

Endorsements to insurance policies will be provided as follows:

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

Primary and not contributing coverage-  
General Liability & Automobile Liability

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

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

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

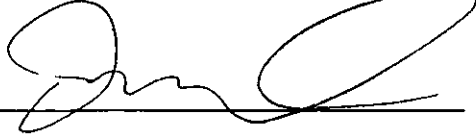
Please mark the appropriate box:

Coverage is in place

Coverage will be placed, without exception

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

Name David H. Melvin  
Typed or Printed

Signature 

Date 3-17-2011

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

\_\_\_\_\_  
President

\_\_\_\_\_  
Title

\_\_\_\_\_  
David H. Melvin, Inc.

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

\_\_\_\_\_  
2541-1 Barrington Circle, Tallahassee, FL 32308

\_\_\_\_\_  
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: <b>David H. Melvin, Inc.</b>	
Current Local Address: <b>2541-1 Barrington Circle Tallahassee, FL 32308</b>	Phone: <b>(850) 671-7221</b>  Fax: <b>(850) 671-7223</b>
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: <b>4428 Lafayette Street P. O. Box 840 Marianna, FL 32447</b>	Phone: <b>(850) 482-3045</b>  Fax: <b>(850) 482-3957</b>

*[Signature]* \_\_\_\_\_ 3-16-11  
Signature of Authorized Representative Date

STATE OF Florida  
COUNTY OF Jackson

The foregoing instrument was acknowledged before me this 16 day of March, 2011.

By David H. Melvin of David H. Melvin, 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)

*Rachel E. Durden*  
Signature of Notary  
Rachel E. Durden  
Print, Type or Stamp Name of Notary  
Notary Public  
Title or Rank

**Return Completed form with supporting documents to:**

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



Serial Number, if Any

## II. Ability of Professional Personnel

### WORK CATEGORY A: Stormwater Engineering

Melvin Engineering, a pre-qualified Florida Department of Transportation consultant, recently completed an extensive project for the design SR 79, Holmes County, from a two lane to a four lane highway. A complex part of the design included stormwater and drainage. The pond siting report, prepared by Drainage Engineer, Natacha Phillips, was conducted and revealed a total project area of 355 acres with 80 acres of new impervious area, 31 wet ponds, and 21 dry ponds. Considerable coordination with the Florida Department of Environmental Protection was required so as to minimize the impact on existing sensitive environmental areas and maximize the design of the roadway expansion and allow for optimum stormwater conveyance.



#### 1. Number of Professionals Available for Assignment to this Category on Relatively Short Notice — 7

#### 2. Resumes

Total Years Experience: 26	MBA, Graduate Studies, FSU, 1989	Registered Professional Engineer-Florida, License #38734; Georgia, License #17890; Alabama, License #18032; North Carolina, License #26692
Job Assignments for Other Projects: Engineer of Record, Project Manager, CEI Inspector, Grants Administrator, Engineer	B.S., Civil Engineering, University of Florida, 1983  Associate of Arts Degree, Magna Cum Laude, Chipola College, 1981	LEED AP Certified

#### DAVID MELVIN, P.E., Principal in Charge

Total Years Experience: 18	B.S., Environmental Engineering, University of Florida, 1992	Registered Professional Engineer-Florida, License #51452
Job Assignments for Other Projects: Engineer, Project Manager, Engineer of Record, Principal in Charge, Utilities Engineer, Environmental Engineer	Associate of Arts Degree, Magna Cum Laude, Chipola College, 1989	

#### LEON E. NOBLES, P.E., Engineer of Record

Total Years Experience: 13	B.S., Industrial Engineering, Florida State University, 1998	Registered Professional Engineer-Florida, License #60214
Job Assignments for Other Projects: Engineer, Project Manager, Drainage Engineer, Quality Assurance Manager, Electronic Deliverables Manager	Associate of Arts Degree, Chipola College, 1996	

**NATACHA ODOM PHILLIPS, P.E., Project Engineer**

Total Years Experience: 26	B.S., Civil Engineering, University of Florida, 1999	Registered Professional Engineer-Florida, License #61599
Job Assignments for Other Projects: Engineer of Record, Project Manager, Project Engineer	Associate of Arts Degree, Chipola College, 1999	

Total Years Experience: 37	High School Retired Florida Department of Transportation Senior Design Engineer	Various certifications in transportation related specialties
Job Assignments for Other Projects: Project Manager, Transportation Specialist in Signalization, Drainage, Quality Assurance Manager, Traffic Studies Coordinator		

**ROD ADAMS, P.E., Project Engineer**

Total Years Experience: 22	Chipola College, 1997 Washington/Holmes Vo-Tech	Geopak Road I & II, Quantity Manager, Roadway User Update, Roadway SiteMenu to FDOT Standards, FDOT Quantity Manager, Advanced Geopak for Roadway Designers, Basic Geopak for Roadway Designers, Contract Estimating System, Traffic Control Plan Design
Job Assignments: AutoCad Draftsman, MicroStation Draftsman, Designer, Transportation Software Manager, Electronic Deliverables Manager		

**DANNY CHAMBLISS, SENIOR DESIGNER**

Total Years Experience: 22	High School Washington/Holmes Vo-Tech	Geopak Road I & II, Quantity Manager, Advanced Geopak for Roadway Designers, Basic Geopak for Roadway Designers
Job Assignments for Other Projects: AutoCad Draftsman, Designer, MicroStation Draftsman, Quality Assurance Technician		

**TRACY CHAMBLISS, SENIOR DESIGNER****TONY PETERS, DESIGNER**

Staff Experience with Projects of a Similar Type, Size, and Involvement on following page:

**B. (a—f) Experience with Projects of a Similar Type and Size**

Project Name & Location	Scope of Services	Construction Cost	Owner's Rep	Agency's Rep	Design Completed
Green Circle Bio Energy Cottondale, FL	Stormwater, Roadway Design	\$110 million	Tim Smith, Plant Mgr 850.832.8346	N/A	2008
Project Pellet Cottondale, FL	Stormwater Roadway Design	\$6.163 mil- lion	Jackson County Board of County Commissioners	Larry Alvarez, P.E. 850.482.9633	2008
SR 79 Washington County, FL	Reconstruction, Widening, Storm- water, Drainage	\$56 million	Florida Department of Transportation	Lisa Stone, P.E. 850.638.0250	2009
SR 79 Holmes County, FL	Reconstruction, widening, storm- water, drainage	\$28 million	Florida Department of Transportation	Dean Mitchell, P.E. 850.638.0250	2008
SR 73 Calhoun County, FL	Widening, Resur- facing, Stormwater, Drainage	\$9.1 million	Florida Department of Transportation	Lisa Stone, P.E. 850.638.0250	2006
SR 267 Leon County, FL	Widening, Resur- facing, Stormwater, Drainage	\$4.4 million	Florida Department of Transportation	Carolyn Riley, Retired	2006
SR 10 (US 90) Jackson County, FL	Widening, Resur- facing, Stormwater, Drainage	\$1.7 million	Florida Department of Transportation	Cathy Adams 850.638.0250	2007
SR 290 Escambia County, FL	Widening, Resur- facing, Stormwater, Drainage	\$2.3 million	Florida Department of Transportation	Mike Melvin, Retired	2007

**The role of staff members for the above projects is as follows:**

David Melvin, Principal in Charge	Gene Nobles, Project Manager
Natacha Phillips, Design Engineer, Drainage	Rod Adams, Project Engineer
Tracy Chambliss, Senior Designer	Tony Peters, Designer
Danny Chambliss, Senior Designer, Quality Assurance	

**B. 2. Names and Description of Projects Under Contract for Stormwater and Drainage**

FDOT— SR 79, Washington County (description above)	98% complete
FDOT—SR 79, Holmes County (description above)	98% complete
FDOT—SR 30, Okaloosa County Resurfacing, Rehabilitation, Restoration	90% complete
FDOT SR 10, Escambia County Milling and Resurfacing of 2 lane rural and 4 lane divided highway	90% complete
FDOT SR 75, Bay County Milling and resurfacing of rural 4-lane divided and urban 5 lane highway	90% complete



### B. 3. Meeting Design Standards

Melvin Engineering utilizes design standards, codes, and other regulatory direction to accomplish stormwater design excellence including current editions of the Florida Department of Transportation Plans Preparation Manual, Florida Department of Environmental Protection Design Criteria, Northwest Florida Water Management District regulations for projects with less than one acre of wetland impact and subject to review by FDEP, the National Pollution Discharge Elimination System (NPDES) which is regulated by FDEP, and plan development based on the Stormwater Pollution Prevention Plan (SWPPP). Each project is different and subject to City of Tallahassee and Leon County requirements.

### B. 4. Special Resources

In addition to the full gamut of computer hardware and typical software, our professional and support staff use ICPR for stormwater design and pond modeling. For field review, we load the pick-up truck with survey equipment and our all terrain vehicle.

### C. Willingness to Meet Schedule and Budget Requirements

Melvin Engineering employs two methods to ensure that projects are delivered on time and within budget. Utilizing the software resources of Microsoft Project, each task order is assigned a Project Manager who then determines the amount of time it will take to design/manage the project. This schedule, of course, is discussed with and agreed upon by the client. In order to ensure the project remains on schedule, the following project coordination is implemented:

#### Coordination with the County

Our Project Manager will keep the County's designated staff Project Manager informed of project status in three ways:

**Written Production Reports.** Our assigned Project Manager will review the team member's project progress at the weekly team production meeting. On a monthly basis, the Project Manager will summarize these reports into the Summary Production Report which will be sent by the County representatives chosen method of delivery. The Summary Production Report will provide a clear, concise report on the project noting highlights, percentage completion of each aspect, elements that are on hold awaiting further information or instructions and all problem areas. A sample copy of our Production Report is shown to the right. This method of reporting has been used successfully with the Department of Transportation and other agencies.

**David H. Melvin, Inc.**  
Consulting Engineers

### Production Report

FOOT Project Manager: Tommy Jones, PE  
PPO#: 418013-1  
Project Description: SR 30 Milling and Resurfacing project from SR 30 RMP 0.0 to just north of Hawthorne Avenue (SR 2776)  
County: Choctawhatchee  
Design/Construction: David H. Melvin, Inc., Consulting Engineers  
Design/Project Management: Laren S. Nields, E. P. E.  
Date: August 5, 2008

Project Status: Milling and Resurfacing SR 30 in Choctawhatchee County. The project does not include RMP installation.

Design/Construction Item	Design/Construction Status
Survey	Final Design by the Department
Plans	Per J. Bridges with Bridge Design and Mapping (BDM)
Contract	30% plans out of 85%
Construction	Not started by the firm
Substantial issues	Not started by the firm
Notes	Not started by the firm
Libraries	Libr. Discontinued to be completed by the Department
CAP	The County's Approval Plan is a CAP (Level 1) with a meeting

Submitted 30% Plans: May 21, 2008

Design/Construction:  
Design/Construction: Highway Survey, Highway Design and Mapping  
Design/Construction: Highway Survey, Highway Design and Mapping  
Design/Construction: Highway Survey, Highway Design and Mapping  
Design/Construction: Highway Survey, Highway Design and Mapping

Notes of the Firm:  
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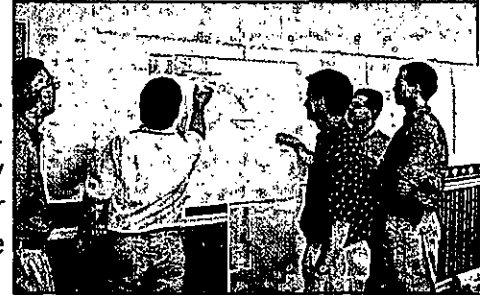
4021 Lafayette Street # 110 Tallahassee, FL 32304 Phone: 904-771-1111  
Phone: 904-943-2866 Fax: 904-943-2867 email: jmelvin@melvininc.com Page 1 of 1

**Scheduled Meetings.** We will hold these meetings as needed or requested by the County's Project Manager, other County staff when specific input is required, our Project Manager and other design team members when their specific input is required. The meetings will be structured to be concise and well organized with an agenda for meetings not to exceed 45 minutes in length. Our goal is to minimize the burden placed on the County's Project Manager and other County staff.

**Unscheduled Communication** (as needed usually via email). This method will be used with great discretion by our Project Manager to prevent unnecessary expenditure of the County's Project Manager's time. Unscheduled communication will occur only when our Project Manager has evaluated the question or information at hand and then determined that such question or information is of vital importance to the immediate progress of the project that normally scheduled communications are not adequate in this particular case.

### **In-House Coordination**

In-house coordination will be achieved by several methods. The primary method will be Thursday morning production meetings. The County's projects will be reviewed at this meeting on a weekly basis. Notes from phone conversations, meetings, and other correspondence will be recorded and copies distributed to the project notebook and other appropriate individuals.



### **Sub consultant Coordination**

Sub consultant coordination will follow the same methodology as the in-house coordination since the sub-consultant's relationship is the same in-house design team members. The sub-consultant will be asked to attend the weekly project team meetings as needed.

### **Agency Coordination**

The final element of project coordination is with outside agencies such as the Florida Department of Environmental Protection, NFWMD, local officials, and utility companies. Meetings of significance with these agencies will be scheduled in advance to allow department staff the opportunity to attend and participate. All communication with outside agencies will be recorded and incorporated into the project notebook.

A monthly report will be supplied to the County's Project Manager and will detail progress on all project activities, outline significant tasks for the next reporting period and bring attention to problems that may impact the project schedule and/or budget and describe what action is currently taking place to solve these problems.

## **D. Recent and Current Project Workload for Stormwater and Drainage**

FDOT- SR 79, Washington County	98% complete
FDOT—SR 79, Holmes County	98% complete
FDOT—SR 30, Okaloosa County	90% complete
FDOT SR 10, Escambia County	90% complete
FDOT SR 75, Bay County	90% complete

As indicated, the current workload for stormwater projects is almost complete. Staff is immediately available to begin work on a stormwater project as soon as necessary.

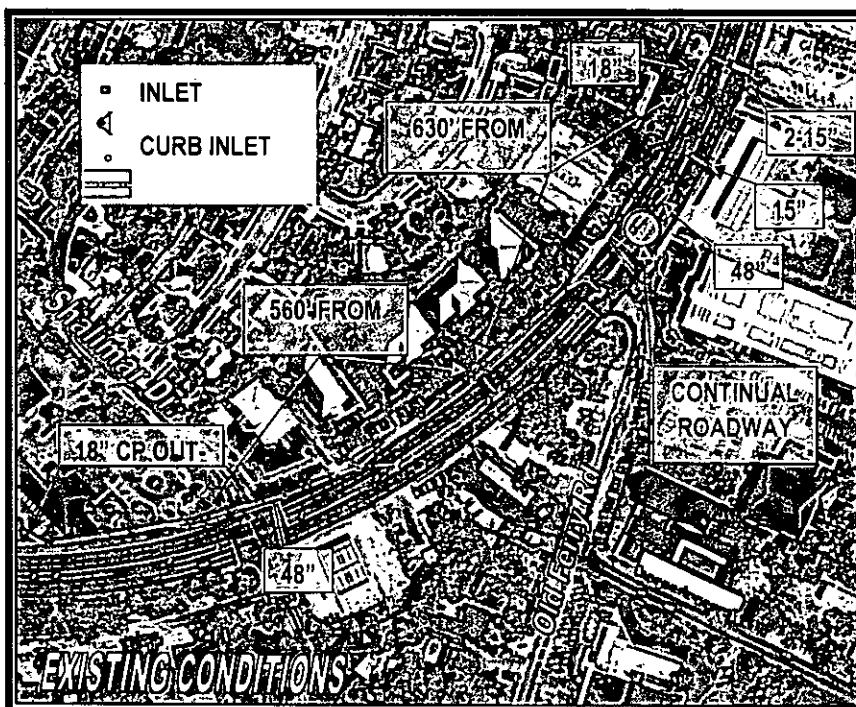
## **E. Effect of Project Team Location**

With offices in Tallahassee and Marianna, the work will be divided according to the best staff resources. Because of the proximity to both office locations, employees frequently work where needed regardless of where they reside.

## F. Project Approach

Melvin Engineering's approach to each project begins with a commitment to the County to we provide excellent service that begins and ends with our Availability, Flexibility, Dependability and Attentiveness. Our experience has taught us that whether the project is simple or complex, there are multitudes of details that must be noted and reflected in the final plans product. These range from design issues to coordination with local governments and in-house communication. The qualities above are a strong part of the corporate culture at Melvin Engineering and will be a major factor in the success of our approach. We are grateful for the successful work accomplished with Cities and Counties, as well as federal, state, and local agencies located throughout Northwest Florida. We look forward to completing many successful design projects in the near future for the County.

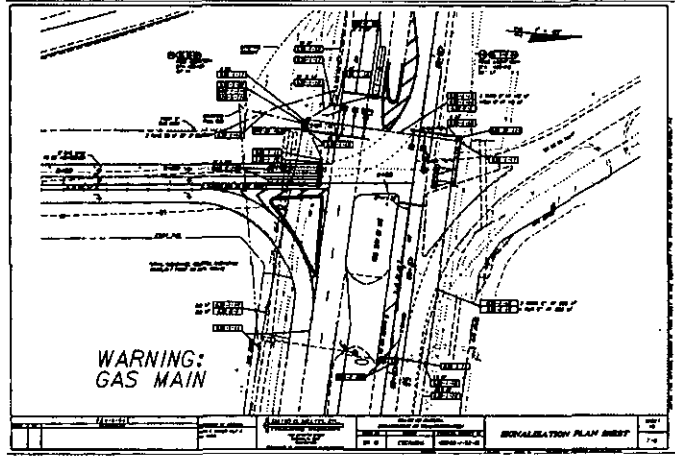
Our methodology is to ensure we have a clear understanding of the project which means field reviews, coordination with stakeholders, contractors, and service providers, when necessary. Because we are experienced in stormwater design, we are ready to proceed immediately to begin discussion of contract schedule and budget. Oftentimes, that discussion takes place simultaneously with production because of time limits or conflicts. When it comes to production, we typically review the project and approach it from two levels: 1. Identify unique issues which may include drainage, ineffective structures, sensitive environmental issues, or any other number of issues that are a little less than ordinary, and 2. identify those issues that are common to the project so that we can quickly begin plans production or other associated tasks. A thorough review of each project enables our team to investigate and begin thinking about how to resolve and address the ordinary as well as the extraordinary.



DHM's approach to each project includes a thorough Field Review of existing conditions. Our review of the SR 85 Project revealed potential drainage/stormwater issues which the design team was fully prepared to address at project start-up.

**WORK CATEGORY B. Roadway Design**

Melvin Engineering is a pre-qualified FDOT District 3 engineering consulting firm that possesses the experience, knowledge, and ability to provide the full scope of required services for any roadway project. In addition to FDOT, Melvin Engineering also provides roadway design services to cities and counties located throughout Northwest Florida. Our firm specializes in roadway/transportation projects and has a proven track record of success. Projects are simple to complex—from sidewalks to signalized intersections, safety improvements, ADA upgrades, roadway reconstruction, resurfacing, and widening from 2 lane rural to 4 lane urban. Our firm is experienced in working with clients and continuing services contracts and immediately available to address **Task Work Orders** and begin work.



**1. Number of Professionals Available for Assignment to this Category on Relatively Short Notice — 7**

**2. Resumes**

**DAVID MELVIN, P.E., Principal in Charge**

Total Years Experience: 26	MBA, Graduate Studies, FSU, 1989	Registered Professional Engineer-Florida, License #38734; Georgia, License #17890; Alabama, License #18032; North Carolina, License #26692
Job Assignments for Other Projects: Engineer of Record, Project Manager, CEI Project Manager, Grants Administrator, Engineer	B.S., Civil Engineering, University of Florida, 1983  Associate of Arts Degree, Magna Cum Laude, Chipola College, 1981	LEED AP Certified

**LEON E. NOBLES, P.E., Engineer of Record**

Total Years Experience: 18	B.S., Environmental Engineering, University of Florida, 1992	Registered Professional Engineer-Florida, License #51452
Job Assignments for Other Projects: Engineer, Project Manager, Principal in Charge, Utilities Engineer, Environmental Engineer, CEI Project Manager	Associate of Arts Degree, Magna Cum Laude, Chipola College, 1989	

**NATACHA ODOM PHILLIPS, P.E., Design Engineer**

Total Years Experience: 13	B.S., Industrial Engineering, Florida State University, 1998	Registered Professional Engineer-Florida, License #60214
Job Assignments: Engineer, Project Manager, Drainage Engineer, Quality Assurance Manager, Electronic Deliverables Manager	Associate of Arts Degree, Chipola College, 1996	

**ROD ADAMS, P.E., Design Engineer**

Total Years Experience: 26	B.S., Civil Engineering, University of Florida, 1999	Registered Professional Engineer-Florida, License #61599
Job Assignments: Engineer of Record, Project Manager, Project Engineer	Associate of Arts Degree, Chipola College, 1999	

**DANNY CHAMBLISS, SENIOR DESIGNER**

Total Years Experience: 37	High School Retired Florida Department of Transportation Senior Design Engineer	Various certifications in transportation related specialties
Job Assignments: Project Manager, Transportation Specialist in Signalization, Drainage, Quality Assurance Manager, Traffic Studies Manager,		

**TRACY CHAMBLISS, SENIOR DESIGNER**

Total Years Experience: 22	Chipola College, 1997 Washington/Holmes Vo-Tech	Geopak Road I & II, Quantity Manager, Roadway User Update, Roadway SiteMenu to FDOT Standards, FDOT Quantity Manager, Advanced Geopak for Roadway Designers, Basic Geopak for Roadway Designers, Contract Estimating System, Traffic Control Plan Design
Job Assignments: AutoCad Draftsman, MicroStation Draftsman, Designer, Transportation Software Manager, Electronic Deliverables Manager		

**TONY PETERS, DESIGNER**

Total Years Experience: 22	High School Washington/Holmes <b>Vo-Tech</b>	Geopak Road I & II, Quantity Manager, Advanced Geopak for Roadway Designers, Basic Geopak for Roadway Designers
Job Assignments for Other Projects: AutoCad Draftsman, Designer, MicroStation Draftsman, Quality Assurance Technician		

Staff Experience of Similar Project Type, Size and Involvement on following page:

Project Name & Location	Scope of Services	Construction Cost	Owner's Rep	Agency's Rep	Design Completed
Project Pellet Cottondale, FL	New 4 lane roadway with signalized intersection at US 231; new 4 lane signalized railroad crossing	\$6.163 million	Jackson County Board of County Commissioners	Larry Alvarez, P.E. 850.482.9633	2008
SR 79 Washington County, FL	Reconstruction, Widening, Stormwater, Drainage	\$56 million	Florida Department of Transportation	Lisa Stone, P.E. 850.638.0250	2009
SR 79 Holmes County, FL	Reconstruction, widening, stormwater, drainage	\$28 million	Florida Department of Transportation	Dean Mitchell, P.E. 850.638.0250	2008
SR 73 Calhoun County, FL	Widening, Resurfacing, Stormwater, Drainage	\$9.1 million	Florida Department of Transportation	Lisa Stone, P.E. 850.638.0250	2006
SR 267 Leon County, FL	Widening, Resurfacing, Stormwater, Drainage	\$4.4 million	Florida Department of Transportation	Carolyn Riley, Retired	2006
SR 10 (US 90) Jackson County, FL	Widening, Resurfacing, Stormwater, Drainage	\$1.7 million	Florida Department of Transportation	Cathy Adams 850.638.0250	2007
SR 290 Escambia County, FL	Widening, Resurfacing, Stormwater, Drainage	\$2.3 million	Florida Department of Transportation	Mike Melvin, Retired	2007

**The Role of Staff Members for the Above Projects is as Follows:**

David Melvin, Principal in Charge

Natacha Phillips, Design Engineer, Drainage

Tracy Chambliss, Senior Designer

Danny Chambliss, Senior Designer, Quality Assurance,  
Signalization Specialist

Gene Nobles, Project Manager

Rod Adams, Project Engineer

Tony Peters, Designer

**B. 2. Names and Description of Projects Under Contract for Roadway Design**

FDOT— SR 79, Washington County (description above) 98% complete

FDOT—SR 79, Holmes County (description above) 98% complete

FDOT—SR 30, Okaloosa County  
Resurfacing, Rehabilitation, Restoration 90% complete

FDOT SR 10, Escambia County  
Milling and Resurfacing of 2 lane rural and 4 lane  
divided highway 90% complete

FDOT SR 75, Bay County  
Milling and resurfacing of rural 4-lane divided and  
urban 5 lane highway 90% complete

### B. 3. Meeting Design Standards

Melvin Engineering utilizes design standards, codes, and other regulatory direction to accomplish roadway design excellence including current editions of the Florida Department of Transportation Plans Preparation Manual, Design Standards, Specifications, and Drainage Handbook, and Florida Department of Environmental Protection Design Criteria. We also use the federal standards contained in the AASHTO, American Association of State Highway Transportation Officials.

### B. 4. Special Resources

In addition to the full gamut of computer hardware and typical software, our professional and support staff use ICPR for stormwater design and pond modeling. For field review, we load the pick-up truck with survey equipment and our all terrain vehicle.

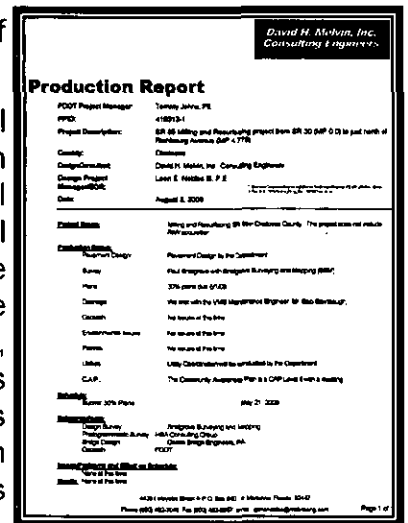
### C. Willingness to Meet Schedule and Budget Requirements

Melvin Engineering employs two methods to ensure that projects are delivered on time and within budget. Utilizing the software resources of Microsoft Project, each task order is assigned a Project Manager who then determines the amount of time it will take to design/manage the project. This schedule, of course, is discussed with and agreed upon by the client. In order to ensure the project remains on schedule, the following project coordination is implemented:

#### Coordination with the County

Our Project Manager will keep the County's designated staff project manager informed of project status in three ways:

**Written Production Reports.** Our assigned Project Manager will review the team member's project progress at the weekly team production meeting. On a monthly basis, the Project Manager will summarize these reports into the Summary Production Report which will be sent by the County representatives chosen method of delivery. The Summary Production Report will provide a clear, concise report on the project noting highlights, percentage completion of each aspect, elements that are on hold awaiting further information or instructions and all problem areas. A sample copy of our Production Report is shown here in the picture to the right. This reporting method has been used successfully with the Department of Transportation as well as other agencies.



**Scheduled Meetings.** We will hold these meetings as needed or requested by the County's Project Manager, other County staff when specific input is required, our Project Manager and other design team members when their specific input is required. The meetings will be structured to be concise and well organized with an agenda for meetings not to exceed 45 minutes in length. Our goal is to minimize the burden placed on the County's Project Manager and other County staff.

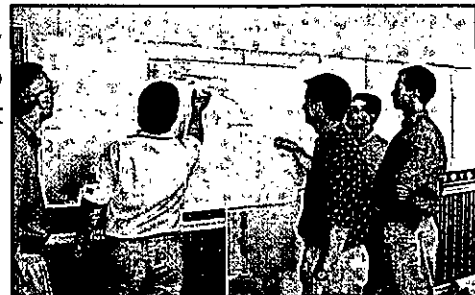
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As indicated, the current workload for roadway projects is almost complete. Staff is immediately available to begin work on a roadway project, as soon as necessary.

### **E. Effect of Project Team Location**

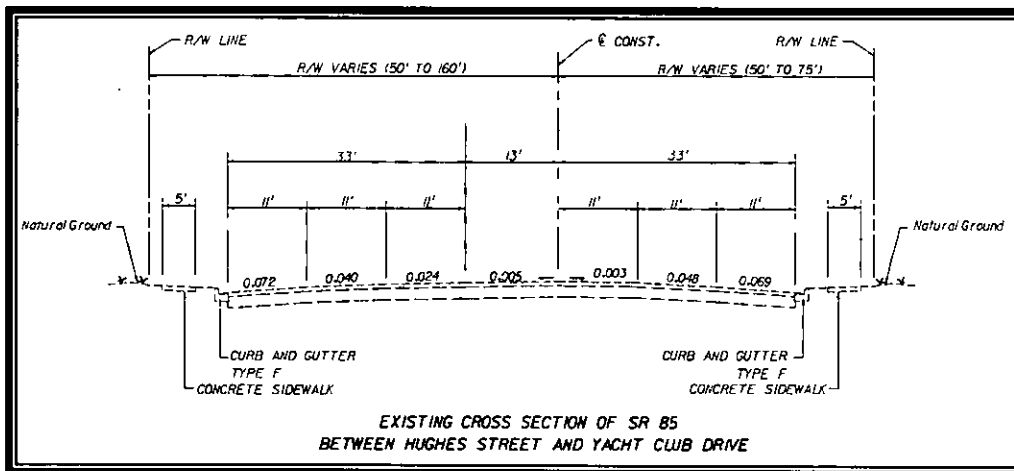
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## F. Project Approach

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Our methodology is to ensure we have a clear understanding of the project which means field reviews, coordination with stakeholders, contractors, and service providers, when necessary. Because we are experienced in roadway design, we are ready to proceed immediately to begin discussion of contract schedule and budget. Oftentimes, that discussion takes place simultaneously with production because of time limits or conflicts. When it comes to production, we typically review the project and approach it from two levels: 1. Identify unique issues which may include drainage, ineffective structures, sensitive environmental issues, or any other number of issues that are a little less than ordinary, and 2. identify those issues that are common to the project so that we can quickly begin plans production or other associated tasks. A thorough review of each project enables our team to investigate and begin thinking about how to resolve and address the ordinary as well as the extraordinary.



Typical Section Package



**ROD ADAMS, P.E., Design Engineer**

Total Years Experience: 26	B.S., Civil Engineering, University of Florida, 1999	Registered Professional Engineer-Florida, License #61599
Job Assignments for Other Projects: Engineer of Record, Project Manager, Project Engineer	Associate of Arts Degree, Chipola College, 1999	

**DANNY CHAMBLISS, SENIOR DESIGNER**

Total Years Experience: 37	High School Retired Florida Department of Transportation Senior Design Engineer	Various certifications in transportation related specialties
Job Assignments: Project Manager, Transportation Specialist in Signalization, Drainage, Quality Assurance, Traffic Studies Manager.		

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Total Years Experience: 22	Chipola College, 1997 Washington/Holmes Vo-Tech	Geopak Road I & II, Quantity Manager, Roadway User Update, Roadway SiteMenu to FDOT Standards, FDOT Quantity Manager, Advanced Geopak for Roadway Designers, Basic Geopak for Roadway Designers, Contract Estimating System, Traffic Control Plan Design
Job Assignments: AutoCad Draftsman, MicroStation Draftsman, Designer, Transportation Software Manager, Electronic Deliverables Manager		

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Job Assignments: Job Assignments for Other Projects: AutoCad Draftsman, Designer, MicroStation Draftsman, Quality Assurance Technician		

Staff Experience of Similar Project Type, Size and Involvement on following page:

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SR 166 Jackson County, FL	Sidewalk Enhancement; design, construction of sidewalk and crosswalk; survey, signalization, coordination with local jurisdictions.	\$372,000	Jackson County Board of County Commissioners	Larry Alvarez, P.E.	2008
SR 10 (US 90) Jackson County, FL	Widening, Resurfacing, Stormwater, Drainage, Intersection Improve-	\$1.7 million	Florida Department of Transportation	Cathy Adams 850.638.0250	2007
SR 290 Escambia County, FL	Widening, Resurfacing, Stormwater, Drainage, Signalization	\$2.3 million	Florida Department of Transportation	Mike Melvin, Retired	2007
SR 20 Leon County, FL	Signal Construction, pedestrian consideration, utility coordination,	\$357,000	Florida Department of Transportation	Tim Smith, P.E. 850.638.2288	2007

**The Role of Staff Members for the Above Projects is as Follows:**

David Melvin, Principal in Charge  
 Natacha Phillips, Design Engineer, Drainage  
 Tracy Chambliss, Senior Designer  
 Danny Chambliss, Senior Designer, Quality Assurance

Gene Nobles, Project Manager, EOR  
 Rod Adams, Project Engineer  
 Tony Peters, Designer

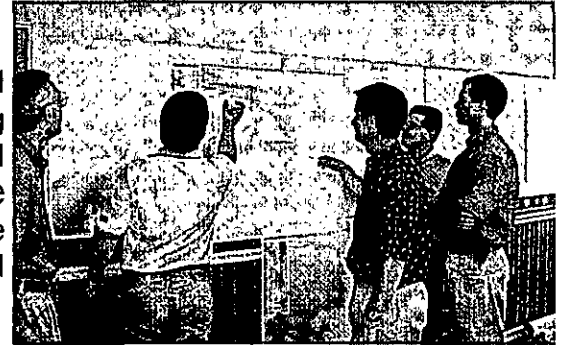


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### **D. Recent and Current Project Workload for Traffic and Intersection Design**

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FDOT SR 10, Escambia County	90% complete
FDOT SR 75, Bay County	90% complete

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## E. Effect of Project Team Location

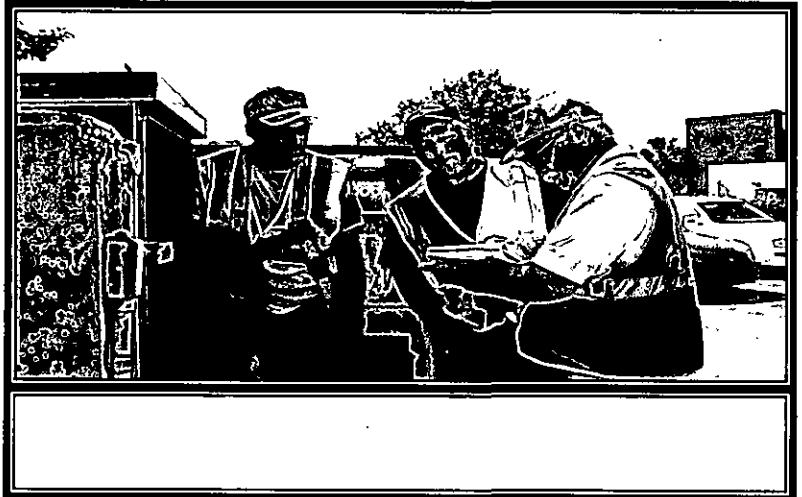
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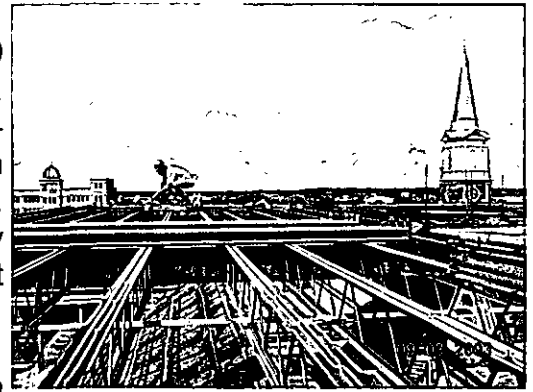
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## WORK CATEGORY D: Structural Engineering

Melvin Engineering was founded in Tallahassee in 1989 and continues today offering civil and structural design services. The structural division is currently engineer of record for continuing structural services to Florida State University and Leon County Schools and is led by Senior Engineer, Sean Martin, P.E. The scope of projects ranges from foundations to multi-story commercial and industrial buildings located throughout Northwest Florida.



### 1. Number of Professionals Available for Assignment to this Category on Relatively Short Notice—4

#### 2. Resumes

##### O. SEAN MARTIN, P.E., Engineer of Record

Total Years Experience: 19	Structural Mechanics and Applied Civil Engineering, FSU, 2000	Registered Professional Engineer—Florida, License #53939; Florida Special Inspector of Threshold Buildings, License #1183; also registered in Georgia, Louisiana, Arkansas, Mississippi, and Pennsylvania LEED AP BD+C Certified
Job Assignments for Other Projects: Engineer of Record, Project Manager, Structural Engineer, Engineer Technician	B.S., Civil Engineering, FSU, 1993	

##### KIMBERLY V. HOLLOWAY, Design Engineer

Total Years Experience: 11	B.S., Civil Engineering, FSU, 2003	Registered Professional Engineer—Florida, License #69166
Job Assignments for Other Projects: Engineer Technician, Administrative Assistant, Quality Assurance Manager	Associate of Arts, Chipola College, 2000	

##### SANDRA O'CONNOR, Design Engineer

Total Years Experience: 9	B.S., Civil Engineering, FSU, 2001	Registered Engineer Intern #1100013264
Job Assignments for Other Firms: Bridge Designer		

##### TERRA B. PUMPHREY, Engineer Technician

Total Years Experience: 4	B.S., Civil Engineering, FSU, 2007	Registered Engineer Intern #1100013353
Job Assignments for Other Projects: Administrative Assistant, Engineer Technician	Associate of Arts, Chiopola College, 2005	



**Staff Experience with Projects of a Similar Type, Size, and Involvement:**

Project Name & Location	Scope of Services	Construction Cost	Owner's Rep	Agency's Rep	Design Completed
Green Circle BioEnergy, Inc. Cottondale, FL	Structural design of 4 story, 48,000 sq ft pellet mill building; structural design of 5 story, 15,000 sq ft hammermill building	\$110 million	Jackson County Board of County Commissioners	Larry Alvarez, P.E. 850.482.9633	2008
Florida State University Tallahassee, FL High Magnetics Field Laboratory	Structural design, detailing, and inspection of helium purifier room and structural steel tank storage rack.	\$378,400	Florida State University	John G. Kynoch 850.644.8965	2010
Riversink Elementary School Wakulla County, FL	Civil and structural design of new 844 student school constructed of reinforced masonry. Design also included an enhanced hurricane shelter and hardened building to house generator.	\$16 million	Wakulla County School Board	Randy Bristol 850.926.0065	2008
Florida State University College of Medicine Tallahassee, FL Translational Science Laboratory	Provided structural engineering analysis to determine if the existing two-way cast-in-place slab at the College of Medicine is adequate to support planned renovations.	\$1.4 million	Florida State University	John Nation, AIA 850.893.1130	2010
Lincoln High School Tallahassee, FL	Structural design of new 2-story classroom addition constructed of reinforced masonry walls with hollow core second floor slab, and cold-formed steel framing for roof trusses	\$789,826	Leon County Schools	Russ Waters 850.933.1352	2008
Tallahassee Community College Tallahassee, FL Pat Thomas Law Enforcement Dormitory	Provided structural engineering design, detailing, and construction engineering inspection of a 3-story reinforced masonry and pre-stressed precast dormitory. The structure is supported on a monolithic grade beam foundation system due to the large amount of expansive soils encountered.	\$4.5 million	Tallahassee Community College	John Nation, AIA 850.893.1130	2006

**The Role of Staff Members for the Projects on the Previous page are as follows:**

Sean Martin, Project Manager, Engineer of Record

Kim Holloway, Project Engineer

Sandy O'Connor, Project Engineer

Terra Pumphrey, Engineer Technician

**B. 2. Names and Description of Projects Under Contract for Structural Design**

Jackson County Health Department—New Construction of 16,000 sq. ft. health facility  
80% complete

Florida State University College of Law—Structural design of first floor wooden structure and drainage modifications to prevent further and future water damage  
90% complete

Leon County Schools—Design of stage rigging and retrofit of elevated stage maintenance access  
60% complete

**B. 3. Meeting Design Standards**

Melvin Engineering utilizes design standards, codes, and other regulatory direction to accomplish structural design excellence including the Florida Building Code, American Institute of Steel Construction, American Concrete Institute, and the National Design Specifications.

**B. 4. Special Resources**

In addition to the full gamut of computer hardware and typical software, our professional and support staff uses RAM, RISA, REVIT Structure, and AutoCad.

**C. Willingness to Meet Schedule and Budget Requirements**

Melvin Engineering employs two methods to ensure that projects are delivered on time and within budget. Utilizing the software resources of Microsoft Project, each task order is assigned a Project Manager who then determines the amount of time it will take to design/manage the project by identifying all components including sub-consultants, expected permitting turnaround, bid advertisements, etc., and assigning a time to each task. This schedule, of course, is discussed with and agreed upon by the client. In order to ensure the project remains on schedule, the following project coordination is implemented:

**Coordination with the County**

Our Project Manager will keep the County's designated staff project manager informed of project status in three ways:

**Written Status Reports.** Our assigned Project Manager will review the team member's project progress at the weekly team production meeting. On a monthly basis, the Project Manager will summarize these reports into the Summary Production Report which will be sent by the County representatives chosen method of delivery. The Summary Production Report will provide a clear, concise report on the project noting highlights, percentage completion of each aspect, elements that are on hold awaiting further information or instructions and all problem areas. This method of coordination has been used successfully with agencies and clients.

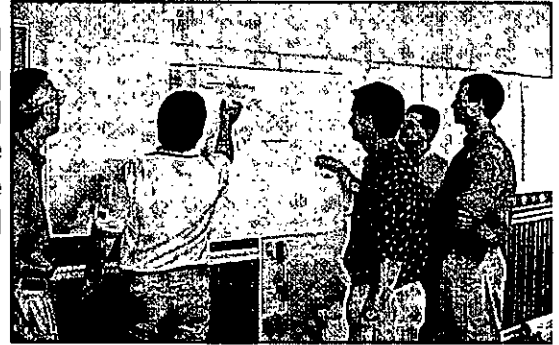
**Scheduled Meetings.** We will hold these meetings as needed or requested by the County's Project Manager, other County staff when specific input is required, our Project Manager and other

design team members when their specific input is required. The meetings will be structured to be concise and well organized with an agenda for meetings not to exceed 45 minutes in length. Our goal is to minimize the burden placed on the County's Project Manager and other County staff.

**Unscheduled Communication** (as needed usually via email). This method will be used with great discretion by our Project Manager to prevent unnecessary expenditure of the County's Project Manager's time. Unscheduled communication will occur only when our Project Manager has evaluated the question or information at hand and then determined that such question or information is of vital importance to the immediate progress of the project that normally scheduled communications are not adequate in this particular case.

### **In-House Coordination**

In-house coordination will be achieved by several methods. The primary method will be Thursday morning production meetings. The County's projects will be reviewed at this meeting on a weekly basis. Notes from phone conversations, meetings, and other correspondence will be recorded and copies distributed to the project notebook and other appropriate individuals.



### **Sub consultant Coordination**

Sub consultant coordination will follow the same methodology as the in-house coordination since the sub-consultant's relationship is the same in-house design team members. The sub consultant will be asked to attend the weekly project team meetings as needed

### **Agency Coordination**

The final element of project coordination is with outside agencies such as the Florida Department of Environmental Protection, NFWMD, local officials, and utility companies. Meetings of significance with these agencies will be scheduled in advance to allow department staff the opportunity to attend and participate. All communication with outside agencies will be recorded and incorporated into the project notebook.

A monthly report will be supplied to the County's Project Manager and will detail progress on all project activities, outline significant tasks for the next reporting period and bring attention to problems that may impact the project schedule and/or budget and describe what action is currently taking place to solve these problems.

## **D. Recent and Current Project Workload for Structural Design**

Jackson County Health Department—New Construction of 16,000 sq. ft. health facility  
80% complete

Florida State University College of Law—Structural design of first floor wooden structure and drainage modifications to prevent further and future water damage  
90% complete

Leon County Schools—Design of stage rigging and retrofit of elevated stage maintenance access  
60% complete

## E. Effect of Project Team Location

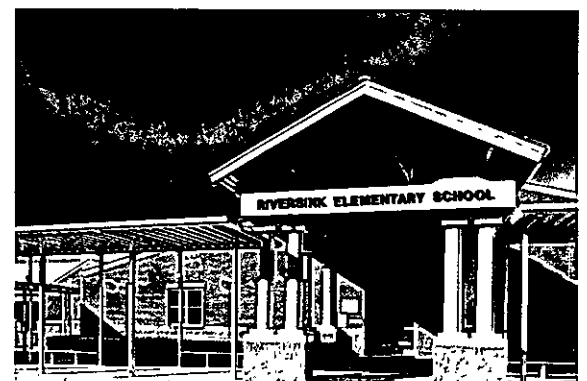
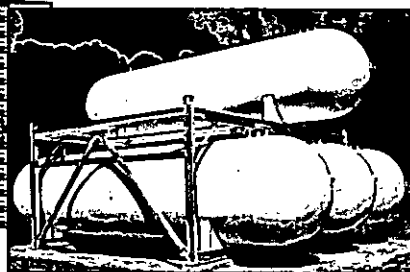
With offices in Tallahassee and Marianna, the work will be divided according to the best staff resources. Because of the proximity to both office locations, employees frequently work where needed regardless of where they reside.

## F. Project Approach

Melvin Engineering's approach to each project begins with a commitment to the County to we provide excellent service that begins and ends with our Availability, Flexibility, Dependability and Attentiveness. Our experience has taught us that whether the project is simple or complex, there are multitudes of details that must be noted and reflected in the final plans product. These range from design issues to coordination with local governments and in-house communication.

The qualities above are a strong part of the corporate culture at Melvin Engineering and will be a major factor in the success of our approach. We are grateful for the successful work accomplished with Cities and Counties, as well as federal, state, and local agencies located throughout Northwest Florida. We look forward to completing many successful design projects in the near future for the County.

Our methodology is to ensure we have a clear understanding of the project which means field reviews, coordination with stakeholders, contractors, and service providers, when necessary. Because we are experienced in roadway design, we are ready to proceed immediately to begin discussion of contract schedule and budget. Oftentimes, that discussion takes place simultaneously with production because of time limits or conflicts. When it comes to production, we typically review the project and approach it from two levels: 1. Identify unique issues which may include drainage, ineffective structures, sensitive environmental issues, or any other number of issues that are a little less than ordinary, and 2. identify those issues that are common to the project so that we can quickly begin plans production or other associated tasks. A thorough review of each project enables our team to investigate and begin thinking about how to resolve and address the ordinary as well as the extraordinary.



## **WORK CATEGORY E. Geotechnical Services (EGS, Inc. Sub-Consultant)**

Environmental Geotechnical Services is a well known professional geotechnical and testing firm. Melvin Engineering and EGS have worked together on many projects located throughout Northwest Florida. The M/DBE firm of Environmental and Geotechnical Specialists, Inc. (EGS) provides the specialty services associated with environmental and geotechnical engineering. EGS is highly qualified and has an outstanding work experience in northern Florida. EGS specializes in the areas of environmental permitting, environmental site assessments, contamination assessments and geotechnical investigations and designs. The staff at EGS has been providing professional services in this area since 1992. EGS is dedicated to providing exceptional services at competitive rates.

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

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

**Qualifications and Relevant Information found on following pages.**



**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**

# **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

### **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. Geotechnical Engineering**

### **Professional Credentials**

Bachelor of Science, Civil Engineering, Tri-State University, 1974

Master of Science, Civil Engineering, Oklahoma State University, 1975

Doctor of Philosophy, Civil Engineering, Oklahoma State University, 1978

Professional Engineer in Florida

General Contractor in Florida

### **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.**

## **Derwood Sheppard, P.E. Engineer**

### **Professional Credentials**

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

### **Professional Organizations**

American Society of Civil Engineers, Big Bend Chapter

### **Special Qualifications**

- Geotechnical design and investigation experience, including roadway studies, bridge designs and stormwater management
- Familiarity of FDOT Geotechnical 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.

**Cloundland 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.**

**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: 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.

**F. EXAMPLE PROJECTS WHICH 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.)

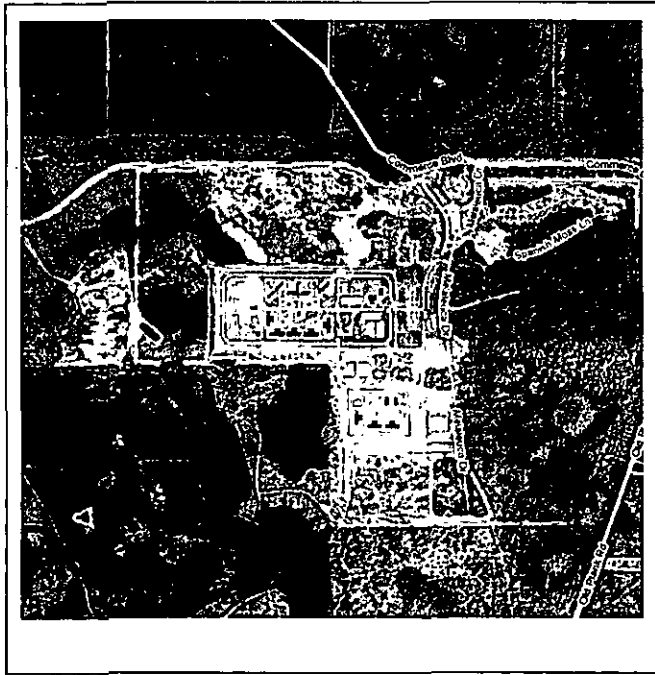
20. EXAMPLE PROJECT KEY NUMBER  
1

21. TITLE AND LOCATION (City and State) <b>Wakulla County Correctional Facility</b> Wakulla County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 1996	CONSTRUCTION (if Applicable) 1998

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER <b>Florida Department of Corrections</b>	b. POINT OF CONTACT NAME <b>Donald Esry, P.E.</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>Retired</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)



EGS conducted the Geotechnical Investigation for the construction of the Wakulla County Correctional Facility and Work Camp.

The Geotechnical Investigation included the field, laboratory and design analysis for the following components:

- Interior Roadways;
- Culvert and Storm Sewer Installations;
- Building Foundations;
- Wastewater Treatment Plant and Sprayfield;
- Potable Water Treatment Facility;
- Stormwater Mangement Facility
- Stormwater Modeling

Based on the investigation conducted during this study, EGS identified the construction concerns and made recommendations concerning the foundation design. EGS also assisted with the permitting concerns.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME <b>Environmental &amp; Geotechnical Specialists, Inc. (EGS)</b>	(2) FIRM LOCATION (City and State) <b>Tallahassee, FL</b>	(3) ROLE <b>Geotechnical Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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  
**2**

21. TITLE AND LOCATION *(City and State)*  
**General Service Contract**  
 Florida Department of Transportation – District 3

22. YEAR COMPLETED  
 PROFESSIONAL SERVICES  
**On-Going**      CONSTRUCTION *(if Applicable)*

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>State of Florida</b>	b. POINT OF CONTACT NAME <b>David Whittington</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(850) 638-0250</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



EGS has provided full service geotechnical consulting services, including subsurface drilling, soil sampling, laboratory testing and geotechnical design, in a wide range of projects for the Florida Department of Transportation, District 3. The Scope of Services provided to the DISTRICT'S MATERIALS OFFICE under this contract varies depending on the needs of the project and the availability of the DISTRICT'S staff. These services have included the following:

- Performing subsurface investigations using EGS's drilling equipment and staff.
- Field testing to develop appropriate and cost-effective designs for routine and complex geotechnical and material issues and designs. These services have been provided during the design, construction and/or post construction stage of a project.
- Providing field testing services to evaluate in situ parameters of subsurface materials that impact both the short and long-term performance of the project. In addition to normal geotechnical projects, these services have been directed towards developing alternate design approaches and materials that have resulted in cost savings to the DEPARTMENT and reductions in construction time.
- Monitoring of construction projects to ensure compliance with the Design, the DEPARTMENTS' Specifications and the project objectives.
- Performing engineering analyzes of various geotechnical related projects. These projects have ranged from routine material evaluations for pavement widening to complex bridge foundations and slope stability evaluations.
- Preparation of design reports. The reports focus on the pertinent issues, providing sufficient detail and analytical information to allow all members of the design and review TEAM to understand the issues and recommended design solutions.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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)

**Capital Cascade Trail Park – Segment 2**  
 BluePrint 2000 & Beyond

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
 On-Going

CONSTRUCTION (if Applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

**BluePrint 2000 & Beyond**

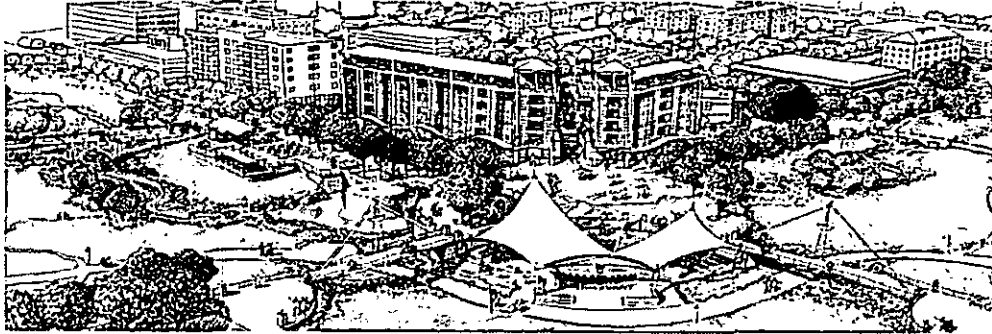
b. POINT OF CONTACT NAME

Jim Davis

c. POINT OF CONTACT TELEPHONE NUMBER

(850) 891-1880

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



EGS has provided full service geotechnical consulting services, including subsurface drilling, soil sampling, laboratory testing and geotechnical design, for the Capital Cascade Trail Park – Segment 2. This project included the planning and design for trails, parks and greenway amenities in combination with the stormwater aspects associated with flood control for the St. Augustine Branch and the Central Drainage Ditch. The investigation included the foundation design and construction recommendations for the following improvements:

- stream, wetland and pond creation;
- roadway, signing and pavement markings;
- pedestrian bridge structures;
- lighting;
- bike and pedestrian trails; and,
- architectural amenities

The services also included the environmental permitting for the project. The project involved environmental permitting with the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers, and the City of Tallahassee Growth Management Department.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services Environmental Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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

4

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

22. YEAR COMPLETED

**McKeithen - Hayward Drive Improvements**  
 City of Tallahassee, Public Works

PROFESSIONAL SERVICES  
 2008

CONSTRUCTION (if Applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

**City of Tallahassee**

**Harry Farrar, P.E.**

**(850) 891-8234**

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



EGS staff conducted the Natural Features Inventory and the Environmental Impact Analysis for the roadway paving improvements for McKeithen Street and Hayward Drive. The analysis was conducted for submittal to the City of Tallahassee, Growth Management Department. The environmental permitting included a site assessment, field survey and record search identifying the environmentally sensitive features associated with the project. The project also included the preparation of a Public Linear Infrastructure Variance as a result of impact to unaltered floodplain.

EGS also conducted the geotechnical investigation for this roadway improvement project. The geotechnical design included the construction recommendations for the curb and gutter roadway, including the installation of culverts and storm sewer. The geotechnical design was conducted in accordance with the Florida Methods (FM) Manual, AASHTO Standards and Specifications, as well as the current FDOT Soils and Foundation Manual.

The scope of services included the design of a stormwater treatment facility, an attenuation pond, and a compensating volume pond. Because the stormwater management facility was located within an area mapped in the Tallahassee-Leon County GIS Database as being a potential karst area, EGS staff also conducted an Electrical Resistivity Imaging (ERI) study of the proposed location. The ERI study, in conjunction with soil borings, verified that it was unlikely that a karst feature existed below the pond location.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services Environmental Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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

5

21. TITLE AND LOCATION (City and State)

**Capital Circle Roadway Widening**  
**BluePrint 2000 & Beyond**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
 On-Going

CONSTRUCTION (if Applicable)  
 On-Going

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

**BluePrint 2000 & Beyond**

b. POINT OF CONTACT NAME

Jim Davis

c. POINT OF CONTACT TELEPHONE NUMBER

(850) 891-1880

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

EGS conducted the geotechnical investigation for the widening of 5 segments of Capital Circle, from I-10 at Capital Circle Northwest to the intersection of Capital Circle Southeast and Apalachee Parkway. The widening design included recommendations for lane additions, mast arm design, slope stability and retention wall design, culvert replacements and extensions, and stormwater treatment facilities. Extensive investigations into the potential of impact as a result of karst (sinkhole) formations were included, including the use of an Electrical Resistivity Imaging (ERI) study.



EGS staff conducted the Natural Features Inventory and the Environmental Impact Analysis for the roadway widening project. The analysis was conducted for submittal to the City of Tallahassee, Growth Management Department. The environmental permitting included a site assessment, field survey and record search identifying the environmentally sensitive features associated with the project. The project also included the preparation of a Florida Fish and Wildlife Conservation Commission Permit application for the relocation of gopher tortoises (*Gopherus polyphemus*).

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services Environmental Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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  
6

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

**Eastern Transmission Line**  
 City of Tallahassee, Electric Department

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
On-Going

CONSTRUCTION (if Applicable)  
On-Going

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

**City of Tallahassee**

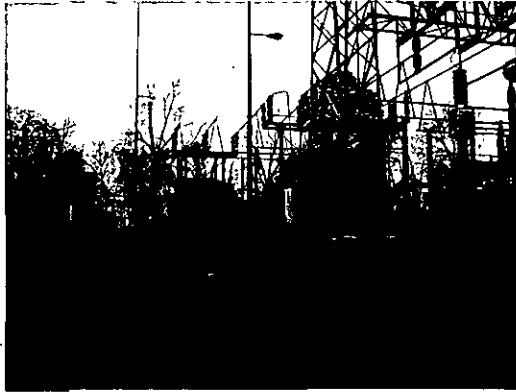
b. POINT OF CONTACT NAME

**Paul DeFrank**

c. POINT OF CONTACT TELEPHONE NUMBER

**(850) 891-5020**

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



EGS conducted the geotechnical investigation for the installation of over 50 high mast, high voltage power poles. The project began at the Substation near the intersection of Capital Circle and Apalachee Parkway (BP 9) and extended to a proposed new Substation located near Centerville Road (BP 14) with additional poles to be installed within the FDOT right-of-way of I-10.

The scope of work included installation of soil borings to depths of greater than fifty (50) feet, the collection of undisturbed samples for the purpose of conduction confined compression tests, laboratory testing to verify the soil parameters for the foundation design, and the preparation of a geotechnical report that contained a summary of the field investigation, results of the laboratory testing, and a summary of the geotechnical design parameters, depth to groundwater, and construction recommendations.

EGS staff conducted the environmental investigation for the installation of the new electric utility line. The services included the jurisdictional limits for wetland delineation and permit preparation for dredge and fill impact. The project involved environmental permitting with the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers, the City of Tallahassee Growth Management Department and the Leon County Growth Management Department. In addition, the services included a review and approval from the Canopy Road Advisory Committee and a Public Linear Infrastructure Variance.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services Environmental Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



**F. EXAMPLE PROJECTS WHICH 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)*

**Thomas P. Smith Wastewater Treatment Plant**  
City of Tallahassee, Water Utilities

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
On-Going

CONSTRUCTION (if Applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**City of Tallahassee**

b. POINT OF CONTACT NAME

Sondra Lee, P.E.

c. POINT OF CONTACT TELEPHONE NUMBER

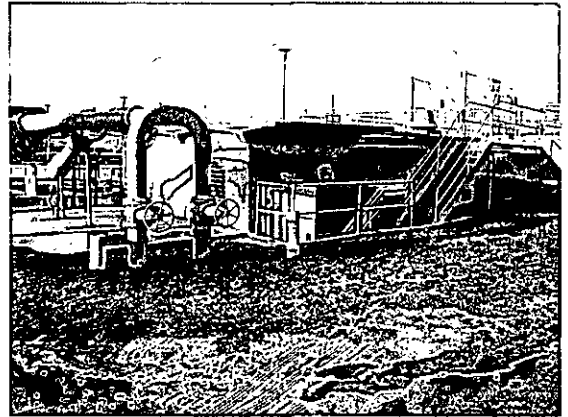
(850) 891-6155

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

Environmental and Geotechnical Specialists, Inc. completed the geotechnical investigation for the retrofit and replacement of the existing sand filters at the Thomas P. Smith Water Reclamation Facility.

The Geotechnical Investigation included:

- Installing subsurface soil borings;
- Evaluating the subsurface conditions and developing a preliminary evaluation as to relative strength of the subsoils;
- Laboratory testing of representative samples to assess the subsoils uniformity and classification;
- Development of boring logs, profiles, bearing capacities, soil design parameters, and foundation design recommendations; and,
- Preparation of a Geotechnical Report of findings.



Based on the investigation conducted during this study, EGS identified the construction concerns and made recommendations concerning the foundation design.

EGS is also conducting the geotechnical investigation for additional improvements to the facility, including the design of various structures and foundations ranging from shallow spread footings, mat foundations and deep soil improvements

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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)*

22. YEAR COMPLETED

**Bond Community Stormwater Pond Sinkhole Remediation Project**

PROFESSIONAL SERVICES  
2008

CONSTRUCTION *(if Applicable)*  
2008

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**City of Tallahassee**

b. POINT OF CONTACT NAME

**Bill Woolery, P.E.**

c. POINT OF CONTACT TELEPHONE NUMBER

**(850) 891-8234**

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



EGS conducted a subsurface investigation and prepared Construction Plans for the remediation of a sinkhole that opened within the Bond Community Stormwater Pond. The Stormwater Pond where the sinkhole formed is at the intersection of Kissimmee Street and Mills Avenue in the southwest sector of the City of Tallahassee.

The sinkhole was about forty (40) feet in diameter and about twenty (20) feet deep. An Electrical Resistivity Imaging (ERI) study was conducted by placing three (3) transect lines on approximately fifty (50) feet spacing in the area of the sinkhole, and installing nine (9) soil borings varying in depth from fifteen (15) to seventy-five (75) feet. Soil samples were tested in EGS's laboratory to evaluate the relativity density and uniformity of the subsurface conditions. The laboratory testing included grain-size distribution, organic content, and Atterberg Limit tests.

A geotechnical report was prepared that contained the summary of the ERI testing, the summary of the geotechnical field and laboratory testing, the likely vertical and horizontal extent of the active karst feature, recommendations for the remediation of the karst feature, development of the field activities necessary to implement the remedial recommendations, and preparation of the remedial construction plan sheets.

EGS also provided a Project Engineer on site for monitoring and consulting during the construction process.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>Environmental &amp; Geotechnical Specialists, Inc.</b>	<b>Tallahassee, FL</b>	<b>Geotechnical Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <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  <b>9</b>
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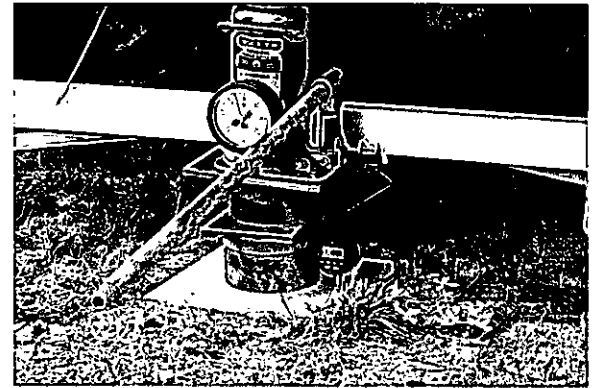
21. TITLE AND LOCATION <i>(City and State)</i>  <b>Tallahassee Airport Improvements</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION <i>(if Applicable)</i>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>City of Tallahassee</b>	b. POINT OF CONTACT NAME <b>Michael Clow</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(850) 891-7529</b>

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

EGS conducted the geotechnical investigation for the proposed Runway improvements at the Tallahassee Regional Airport. The investigation included the installation of twenty-seven (27) twenty (20) feet deep soil borings installed in the runways, taxiways, the existing connectors, and a proposed high speed connector.

In order to evaluate the relative strength and uniformity of the subsurface materials, standard penetration tests (SPT) were conducted on two and one-half (2 1/2) feet intervals in all the soil borings. Representative soil samples were classified in the field by EGS personnel and then sealed and transported to EGS's laboratory for additional testing. The laboratory testing included grain-size distribution, atterberg limits, corrosivity tests and limerock bearing ratio (LBR) tests. Equivalent California bearing ratio (CBR) test results were reported in addition to the LBR test results as approved in the Federal Aviation Administration (FAA) Airport Pavement Design and Evaluation Circular. EGS also cored the existing pavement and base at eleven (11) locations and prepared a pavement survey.



Two (2) plate load tests were conducted for this study. The resulting Load versus Deflection, Load versus Modulus of Subgrade Reaction (K), and Deflection versus Modulus of Subgrade Reaction (K) graphs were analyzed. Geotechnical design parameters and construction recommendations were developed and included in a Geotechnical Report summarizing the findings.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <b>Environmental &amp; Geotechnical Specialists, Inc.</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Tallahassee, FL</b>	(3) ROLE <b>Geotechnical Services</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  10
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<b>21. TITLE AND LOCATION (City and State)</b> <b>Providence Neighborhood Improvements Pavement Survey</b>	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (if Applicable)

<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> City of Tallahassee	<b>b. POINT OF CONTACT NAME</b> Bill Woolery, P.E.	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (850) 891-8234



**EGS** conducted a Pavement Core and Condition Survey for the roadway improvements proposed in the Providence Neighborhood Enhancement Project. The Providence Neighborhood is located in the center of Tallahassee, Southwest of the intersection of Jackson Bluff Road and Lake Bradford Road.

**EGS** installed the pavement cores using a pavement coring drill. After installing each pavement core, **EGS** personnel conducted a Dynamic Cone Penetration (**DCP**) test on the base and subgrade material, to evaluate its relative stiffness. **EGS** also installed soil borings to a depth of five (5) feet using a hand auger coupled with Static Cone Penetrometer Index (**CPI**) tests conducted on two and one-half (2 ½ )

feet intervals. The Cone Penetration Index (**CPI**) test results were then converted to equivalent standard penetration test (**SPT**) "N" values.

Representative samples of the subgrade were collected on one (1) foot intervals to a depth of five (5) feet in all the soil borings. The soil samples were classified in the field by **EGS** personnel and then sealed and transported to **EGS**'s laboratory for additional testing. The laboratory tests performed included water contents, grain-size distribution, and Atterberg limits. The soil samples were classified with respect to the Unified Soil Classification (**UNIFIED**) system and the American Association of State Highway and Transportation Officials (**AASHTO**) soil classification system.

A Pavement and Subgrade Survey Report was prepared which included a summary of the subsurface conditions, field and laboratory test results, LBR estimations for the base and subgrade material, determination of the asphalt type, thickness and density, and milling recommendations.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>a.</b>	(1) FIRM NAME <b>Environmental &amp; Geotechnical Specialists, Inc.</b>	(2) FIRM LOCATION (City and State) <b>Tallahassee, FL</b>	(3) ROLE <b>Geotechnical Services</b>
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

## WORK CATEGORY G. Construction Engineering Inspection Services

Our full time team of construction engineering inspection professionals is highly motivated, experienced, and immediately available to provide the required construction inspection services for the successful completion of all projects. We recognize that Leon County not only requires a capable CEI firm, but one that has a proven record of success with it's clients to overcome project issues which could potentially delay schedules or increase costs. Experienced and knowledgeable, the Melvin team is capable and readily available, has an established record of excellent performance, and is committed to meeting the expectations and high standards set by the County. Melvin Engineering is a pre-qualified consultant for the Florida Department of Transportation in Construction Engineering Inspection, Group 10: 10.1 and 10.3.



### 1. Number of Professionals Available for Assignment to this Category on Relatively Short Notice — 7

#### 2. Resumes

##### DAVID MELVIN, P.E., Principal in Charge

Total Years Experience: 26	MBA, Graduate Studies, FSU, 1989 B.S., Civil Engineering, University of Florida, 1983	Registered Professional Engineer-Florida, License #38734; Georgia, License #17890; Alabama, License #18032; North Carolina, License #26692
Job Assignments for Other Projects: Engineer of Record, Project Manager, CEI Inspector, Grants Administrator, Engineer	Associate of Arts Degree, Magna Cum Laude, Chipola College, 1981	LEED AP Certified

##### LEON E. NOBLES, P.E., Engineer of Record

Total Years Experience: 18	B.S., Environmental Engineering, University of Florida, 1992	Registered Professional Engineer-Florida, License #51452
Job Assignments for Other Projects: Engineer, Project Manager, Engineer of Record, Principal in Charge, Environmental Engineer, Utilities Engineer	Associate of Arts Degree, Magna Cum Laude, Chipola College, 1989	

##### WHITNEY NELSON, Project Administrator

Total Years Experience: 13	Chipola College, 1998	See chart on page following resumes
Job Assignments for Other Projects: Inspector, Surveyor, Project Manager		

**BEN BELL, SENIOR INSPECTOR, ASPHALT PLANT**

Total Years Experience: 14	Chipola College, 1991	See chart on following page
Job Assignments for Other Projects: Inspector, AutoCad Technician, MicroStation Technician, Utilities Coordinator		

**SANDRA TOOLE, SENIOR INSPECTOR**

Total Years Experience: 22	High School	AutoCad Certification See chart on following page
Job Assignments for Other Projects: Inspector, AutoCad Technician, MicroStation Technician,		

**ALFRED HARRISON, INSPECTOR**

Total Years Experience: 27	B. S. University of Georgia, Agriculture	See chart on following page
Job Assignments for Other Projects: Inspector, Environmental Technician,		

**DON TRUEBLOOD, INSPECTOR**

Total Years Experience: 31	Retired United States Military	See chart on following page
Job Assignments for Other Projects:		

**CURTIS BROWN, INSPECTORS' AIDE**

Total Years Experience: 24	High School	Auto Cad Certification See chart on following page
Job Assignments for Other Projects:		

**CTQP/Course Certifications**

Name and Title	CTQP ID Number	QC Manager	Concrete Field Inspector Level I	Asphalt Mix Design	Asphalt Roadway Level I	Asphalt Roadway Level II	Asphalt Plant Level I	Asphalt Plant Level II	Earthwork Level I	Earthwork Level II	Intermediate MOT	Advanced MOT	Nuclear Radiation Safety	Final Estimates I	Final Estimates II
Whitney Nelson Project Administrator	N425-459-77	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sandra Toole Senior Inspector	T400-791-55		X		X	X			X	X	X	X	X	X	
Ben Bell Senior Inspector	B400-063-72			X	X	X	X		X	X	X	X	X	X	
Alfred Harrison Inspector/ Environmental Technician	H625-003-55				X				X	X	X			X	
Don Trueblood Inspector			X		X								X		

**B. (a—f) Experience with Projects of a Similar Type and Size**

Jackson County Road Projects	Length of Project	Project Description
New Hope Road	1.44 miles	<p>New roadway construction providing 18' paved roadways. Design/Inspection elements include the following:</p> <p style="text-align: center;">Survey</p> <p style="text-align: center;">Drainage structures</p> <p style="text-align: center;">Ditch re-alignment</p> <p style="text-align: center;">Right of Way re-alignment &amp; acquisition</p> <p style="text-align: center;">Signage</p> <p style="text-align: center;">Striping</p> <p style="text-align: center;">Driveways</p> <p style="text-align: center;">Mailboxes</p> <p style="text-align: center;">Total Construction Project Management Services from grants funding and administration to project's construction notice to proceed to final documentation and project close-out</p>
Missouri Road	1.35 miles	
Clearmont Road	1.44 miles	
Cornsilks Road	0.5 miles	
Kenya Road	0.16 miles	
Whitesville	1 mile	
Tanner	0.7 miles	
Mellow Trail	0.21 miles	
Industrial Park Drive	1.2 miles	
Green Circle Parkway	0.75 miles	
South Street	2.8 miles	
Deer lane	0.33 miles	
Pope Chapel Lane	0.18 miles	
Carpenter Cemetery Road	1.24 miles	
Whitetail/Post Oak Dr	0.25 miles	
Jasper Road	0.5 miles	
Liberty Hill Road	0.5 miles	
River Road, Phase I and II	19 miles	Replace drainage structures; widening from 20 – 24'; resurfacing
Wilmington Court	1.62 miles	New construction of 22' paved roadway along with drainage and shoulder rework
Ebony Court	1.60 miles	New construction of 18' paved roadway along with drainage extensions and shoulder rework
County Road 167	14 miles	Replace drainage structures; widening from 20 – 24'; resurfacing; ARMI
Shady Grove Road	8 miles	Widening from 18' to 20'; replace drainage structures; resurfacing



**The Role of Staff Members for the Projects on the Previous page are as follows:**

David Melvin, Principal in Charge  
 Whitney Nelson, Project Administrator  
 Sandra Toole, Senior Inspector  
 Curtis Brown, Inspector's Aide

Gene Nobles, Engineer of Record  
 Ben Bell, Senior Inspector  
 Don Trueblood, Inspector

**B.2. Names and Description of Projects Under Contract for Construction Engineering Inspection**

CR 179 Holmes County  
 Bethlehem Road, Jackson County

Sylvania Plantation Road, Jackson County

**B.3./B.4. Standards of Performance and Special Resources**

Melvin Engineering not only encourages participation and certification through the Florida Department of Transportation Certified Training Qualification Program developed especially for construction engineering inspection, but we also require certification in Maintenance of Traffic and Advanced Maintenance of Traffic, Troxler Nuclear Gauge, and any other specialty certification that may be required for professional construction inspection.

**C. Willingness to Meet Schedule and Budget Requirements**

Melvin Engineering employs two methods to ensure that projects are delivered on time and within budget. Utilizing the software resources of Microsoft Project, each task order is assigned a Project Manager who then determines the amount of time it will take to design/manage the project by identifying all components including sub-consultants, expected permitting turnaround, bid advertisements, etc., and assigning a time to each task. This schedule, of course, is discussed with and agreed upon by the client. In order to ensure the project remains on schedule, the following project coordination is implemented:

**Coordination with the County**

Our Project Manager will keep the County's designated staff project manager informed of project status in three ways:

**Written Status Reports.** Our assigned Project Manager will review the team member's project progress at the weekly team production meeting. On a monthly basis, the Project Manager will summarize these reports into the Summary Production Report which will be sent by the County representatives chosen method of delivery. The Summary Production Report will provide a clear, concise report on the project noting highlights, percentage completion of each aspect, elements that are on hold awaiting further information or instructions and all problem areas. This method of coordination has been used successfully with agencies and clients.

**Scheduled Meetings.** We will hold these meetings as needed or requested by the County's Project Manager, other County staff when specific input is

**DAVID H. MELVIN, INC.**  
 Consulting Engineers

**Weekly Construction Summary**  
**Jackson County and City of Marianna**

Project Title: Project "Springs"

Project ID# SPR12AC/PR08MAR Work performed the week of: October 25, 2009 Thru November 1, 2009

Jackson County Contact: Larry Alvarez, P.E. Design Engineer: David H. Melvin, P.E.  
 City of Marianna Contact: Jim Dean, City Manager DHM/Project Mgr: Whitney Nelson  
 Senior Inspector: Ben Bell

Contractor Project Mgr: Bryan Newsome - North FL Construction, Inc.

Distribute To: Susan Emrich - DHM (FHM) Larry Alvarez - County Engineer  
Bryan Newsome, Proj. Mgr. North FL Construction Ted Lalay - County Administrator  
Jim Dean, City Manager Randy Edenfield - Asst. Road & Bridge Super.  
Marc Tomlinson, Project Manager - DHM Whitney Nelson - Project Manager - DHM

Notice to Proceed: August 3, 2009

Substantial Completion: December 31, 2009 (180 Days Remaining) 60  
 Final Completion: February 1, 2010 (180 Days Remaining) 92

Contract Account: \$976,165.85

Pay Request Approved: \$135,002.91

Pay Request Approved: 19% No. 1

Estimated Construction Complete: 40.0%

Substantial Contract Time Used: 60%

Project is on Schedule? X Yes 1/2 No

Description of Work: North FL Construction

Contractor placed 72 ft of 30 in and 48 ft of 18 in RCP storm drain along with 89 ft of 6 in C-800 PVC sewer man along with 88 LF of 6" C-800 PVC pipe sewer man. Placed drainage structures S-7 through S-10 as shown in plans.

Weekly Totals:  
 72 LF 30" Storm-waste drain pipe  
 48 LF 18" Storm-waste drain pipe  
 88 LF of 6" C-800 PVC pipe sewer man  
 1-Type C ditch bottom inlet  
 1-Type D ditch bottom inlet  
 1-Gutter inlet V x 10'  
 1-Gutter inlet V x 10'

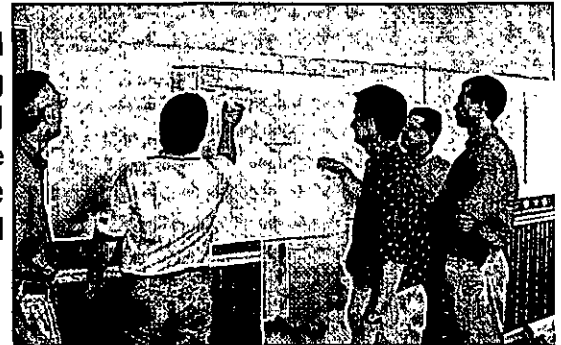
Attached Construction Summary: James W. Nelson  
 Construction Project Manager

required, our Project Manager and other design team members when their specific input is required. The meetings will be structured to be concise and well organized with an agenda for meetings not to exceed 45 minutes in length. Our goal is to minimize the burden placed on the County's Project Manager and other County staff.

**Unscheduled Communication** (as needed usually via email). This method will be used with great discretion by our Project Manager to prevent unnecessary expenditure of the County's Project Manager's time. Unscheduled communication will occur only when our Project Manager has evaluated the question or information at hand and then determined that such question or information is of vital importance to the immediate progress of the project that normally scheduled communications are not adequate in this particular case.

### **In-House Coordination**

In-house coordination will be achieved by several methods. The primary method will be Thursday morning production meetings. The County's projects will be reviewed at this meeting on a weekly basis. Notes from phone conversations, meetings, and other correspondence will be recorded and copies distributed to the project notebook and other appropriate individuals.



### **Sub consultant Coordination**

Sub consultant coordination will follow the same methodology as the in-house coordination since the sub-consultant's relationship is the same in-house design team members. The sub consultant will be asked to attend the weekly project team meetings as needed.

### **Agency Coordination**

The final element of project coordination is with outside agencies such as the Florida Department of Environmental Protection, NFWFMD, local officials, and utility companies. Meetings of significance with these agencies will be scheduled in advance to allow department staff the opportunity to attend and participate. All communication with outside agencies will be recorded and incorporated into the project notebook.

A monthly report will be supplied to the County's Project Manager and will detail progress on all project activities, outline significant tasks for the next reporting period and bring attention to problems that may impact the project schedule and/or budget and describe what action is currently taking place to solve these problems.

### **D. Recent and Current Project Workload for CEI**

CR 179 Holmes County	75% complete
Sylvania Plantation Road, Jackson County	95% complete
Bethlehem Road, Jackson County	40% complete

As indicated, the current workload for CEI projects is almost complete. Staff is immediately available to begin work on CEI projects as soon as necessary.

### **E. Effect of Project Team Location**

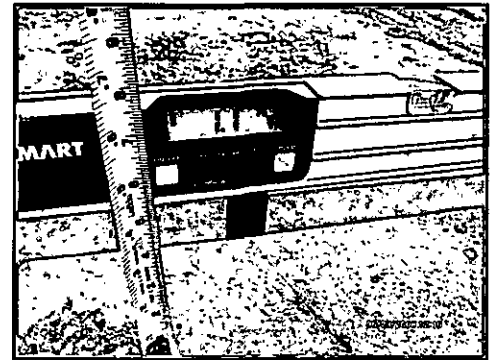
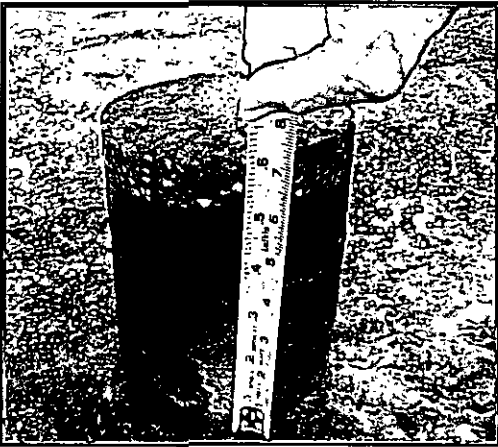
With offices in Tallahassee and Marianna, the work will be divided according to the best staff resources. Because of the proximity to both office locations, employees frequently work where needed regardless of where they reside.

## F. Project Approach

Melvin Engineering's approach to each project begins with a commitment to the County to provide excellent service that begins and ends with our Availability, Flexibility, Dependability and Attentiveness. Our experience has taught us that whether the project is simple or complex, there are multitudes of details that must be noted and reflected in the final plans product. These range from design issues to coordination with local governments and in-house communication.

The qualities above are a strong part of the corporate culture at Melvin Engineering and will be a major factor in the success of our approach. We are grateful for the successful work accomplished with Cities and Counties, as well as federal, state, and local agencies located throughout Northwest Florida. We look forward to completing many successful design projects in the near future for the County.

Our methodology is to ensure we have a clear understanding of the project which means field reviews, coordination with stakeholders, contractors, and service providers, when necessary. Because we are experienced in roadway design, we are ready to proceed immediately to begin discussion of contract schedule and budget. Oftentimes, that discussion takes place simultaneously with production because of time limits or conflicts. When it comes to production, we typically review the project and approach it from two levels: 1. Identify unique issues which may include drainage, ineffective structures, sensitive environmental issues, or any other number of issues that are a little less than ordinary, and 2. identify those issues that are common to the project so that we can quickly begin plans production or other associated tasks. A thorough review of each project enables our team to investigate and begin thinking about how to resolve and address the ordinary as well as the extraordinary.



**WORK CATEGORY I. SURVEYING SERVICES (Sub-Consultant, Snelgrove Survey & Mapping, Inc.)**

Melvin Engineering and Snelgrove Survey, a pre-qualified FDOT consultant, have been working together for 18 years on projects located throughout Northwest Florida. They are a firm whose reputation is built on professional delivery of survey and mapping services. Their quick response and thoroughness in delivering what is required is recognized by many engineering firms in the area.

Additional information is found on the following pages:

**PAUL A. SNELGROVE, PSM**  
**PRESIDENT, SNELGROVE SURVEYING & MAPPING, INC.**



**Educational Background**

Professional Surveyor and Mapper # 4952  
Registered in 1991  
Member, Florida Society of Professional  
Surveyors and Mappers

A.A. Tallahassee Community College, 1984  
Tallahassee, Florida

Honor Graduate, Defense Mapping School,  
Geodetic Surveyor, Fort Belvoir, Virginia, U.S. Army

**Professional Experience:**

**November 2000 to Present:**

**Snelgrove Surveying & Mapping, Inc. Marianna, Fl.**

President and Lead Professional Surveyor and Mapper

Paul started his own company in November of 2000 in order to obtain his own professional independence, to build a company that has primary interest in surveying and mapping with an emphasis on the education and training of his survey personnel and Quality Assurance in the field and office in order to provide his clients with complete and accurate surveys represented by an exceptional CADD drawn map and professional service.

His duties include the general administration of the survey business, client contact, contract negotiations, project management, supervisor of project surveyors, training of personnel, research, computations and quality assurance.

Paul has been the survey field for more than 25 years now. He has been in a position of responsible charge for at least 23 of those 25 years. He has performed over 40 Control, Design/Utility, Maintenance and Right of Way Mapping Surveys for FDOT and literally hundreds of Control, Boundary, Topographic and Specific Purpose surveys for private, state and municipal clients alike. He has done everything from the initial research of existing information to the performance of the field survey, computation and adjustment of the control traverses, computation of centerline alignments, making boundary line determinations, drafting of the survey map and quality assurance.

Three of the latest project groups Paul has been responsible for which required Horizontal and Vertical Control Surveys are Group 00-2 which are S.R. 73 Calhoun Co. FP#403922-1-32-01, S.R. 30 Franklin Co. FP#403929-1-32-01 and S.R. 20 Liberty Co. FP#403932-1-32-01, Group 00-14 which are T.E. Rogers Road over Big Creek Bridge, Okaloosa Co. FP#403798-1-32-01 and Walton Bridge Road over Bruce Creek Bridge, Walton Co. FP#403792-1-32-01 and Group 00-3 which are S.R. 297, Escambia Co. FP#218679-1-32-01, S.R. 97, Escambia Co. FP#218685-1-32-01, S.R. 10A (U.S. 90), Escambia Co. FP#403927-1-32-01 and S.R. 292 Escambia Co. FP#403928-1-32-01. Please inquire within District III's Surveying & Mapping Department, namely Wayne Young, Gainer Platt, Ira Carter or Eddie Rudd of Florida Department of Transportation, District III Office in Chipley Fl. Phone (850)-638-0250 ext.403, ext.725, ext.412 & ext. 410 respectively.

**1998 to 2000:**

**David H. Melvin, Inc., Consulting Engineers Marianna, Fl.**

Vice President, Surveyor of Record, Lead Professional Surveyor and Mapper, and Director of a new survey division for the company: Paul had been providing surveying services for David H. Melvin, Inc. since 1993 while being a partner and professional surveyor with Delta Land Surveyors, Inc. In January of 1998 he went fully on board with David H. Melvin, Inc., becoming Vice President and director of a new survey division

for the company. He and his staff, which he brought with him and built upon, not only performed the usual boundary, topographic, construction and route surveys associated with engineering projects, private developments, and state land acquisitions, but became very proficient and highly reputable in performing highway design, maintenance, control and right of way surveys for the Florida Department of Transportation, District 3 and their consultants.

**1983 to 1997:**

**Delta Land Surveyors, Inc., Monticello, Florida:**

Vice President and Partner: Paul started working as a party chief while still going to college when Delta Land Surveyors, Inc. started in business by acquiring a small local surveying business from Thomas B. Howard in 1983 located in Jefferson County, Florida. In 1984 he became a project surveyor for Delta Land Surveyors, Inc. Here he acquired his experience in GLO retracement, boundary, topographic, construction, subdivision, mean and ordinary high water and control surveys of all types. Major clients were private developers, real estate brokers, the Suwannee River Water Management District, numerous engineering firms and the local city and county governments of Jefferson and Taylor Counties. In February of 1991 he obtained his Florida Registration as a Professional Surveyor and Mapper and was given a one third interest in the corporation because of his significant contribution to the success of the company and the number of clients he attracted and serviced. In 1995 he moved to Marianna, Jackson County, Florida, and opened a branch office. Here, David H. Melvin, Inc., Consulting Engineers, with offices in Marianna, Tallahassee, and Monticello, Florida, was his largest single client, as was so while he was still in Monticello. Other major clients were numerous other engineering firms, local developers, Real Estate Brokers, Title Companies, Attorneys, private companies, citizens and local municipalities. Here he worked and prospered until January of 1998 when he joined David H. Melvin, Inc.

**1981-1983:**

**Thomas B. Howard & Assoc. Monticello, Fl.**

Survey Party Chief: Performed numerous large acreage boundary surveys, subdivision lot layouts, mortgage surveys and topographic surveys.

**1978-1981**

**U.S. Army,**

**18<sup>th</sup> Engineer Brigade, 649 Engineer Battalion, 549<sup>th</sup> Survey Detachment, West Germany**

Paul was an honor graduate from Defense Mapping School at Fort Belvoir, Virginia and then assigned as a Geodetic Surveyor in West Germany. Here he performed horizontal and vertical control surveys for artillery, communication and navigation purposes as well as airfield safety surveys for Army and Air Force airfields. He alternated between performing the field survey on one project and then performing the office calculations on the next project. This gave him a well rounded background in both field procedures and office computations for control surveys.

# Jamie D. Lovely

## CADD TECHNICIAN

### **Educational Background**

Diploma: Altha High School, Altha, FL. 1990

Washington-Holmes Technical Center, 1999  
Computer Aided Drafting Certification



Computer Proficiency:

AutoCAD Release 14; Softdesk 8; Microstation "SE" & "J"; CAiCE Visual 2000SE

Support Software including but not limited to:

Windows 95,98&2000 Pro; Windows 2000 Server Family, Windows ME, Windows XP, Excel 97&2000; Word 97&2000; Works 97, Publisher2000, Outlook 2000, Survey link, HCOMW, Corpscon, Nadcon, Symantec Systems Corporate Edition

### **Professional Experience:**

**SNELGROVE SURVEYING & MAPPING, INC., Marianna, December 2000 to Present**

**CADD Technician,:** Have utilized CAiCE Visual 2000SE and Microstation "J" to create Right of Way Control Maps and Maintenance Maps for 5 F.D.O.T projects, the two latest being Blountstown Greenway Calhoun Co. F.P.N. 221128-1-32-01 and Bruce Creek Bridge Walton Co. F.P.N. 403792-1-32-01. Utilize CAiCE Visual 2000SE to process baseline control segments for more than a dozen F.D.O.T. projects, the three latest being S.R. 30 over Salt Creek Bridge, Bay Co. F.P.N. 408581-1-32-01, Brickyard Road Sidewalk, Washington Co. F.P.N. 410418-1-32-01, S.R. 2 Jackson Co. F.P.N. 406325-1-32-01. Utilize CAiCE Visual 2000SE and AutoCAD to produce Primary Network Control Forms for Horizontal and/or Vertical Control for more than a dozen F.D.O.T. projects, the two latest being S.R. 750 Escambia Co. F.P.N. 406331-1-32-01 and S.R. 10 Jackson Co. F.P.N. 406325-1-32-01.

Please inquire within District III's Surveying & Mapping Department, namely Wayne Young, Gainer Platt, Ira Carter or Eddie Rudd of Florida Department of Transportation, District III Office in Chipley Fl. Phone (850)-638-0250 ext.403, ext.725, ext.412 & ext. 410 respectively.

**DAVID H. MELVIN, INC., Marianna/Tallahassee, June 1999 to December 2000**

**CADD Technician,** Projects: Wal-Mart Super Center, Sykes Customer Support Center, Petro Stopping Centers, Rails to Trails Bike Trail for Blountstown, Ruby Tuesdays, NPC International, Hatton House Senior Housing Development, National Land Masters, Spring Chase Subdivision, Creekwood Subdivision, Camellia Gardens Subdivision and numerous individual Surveys. COUNTY Jobs: Old Spanish Trail Road, Turners Landing Road, Whiteville Road, Whitetail Drive. DOT Jobs: SR 292 Escambia, SR 297 Escambia, SR10A Escambia, Big Creek Bridge Replacement Okaloosa, Bruce Creek Bridge Replacement Walton, SR 73 Calhoun, SR 30 Franklin and Blountstown Greenway.

**RUSSELL CORPORATION, Marianna, Florida 1990-1999**

**BRB Machine Operator** (1998-1999) Set-up and operated a computerized cutting machine that cut cloth into shirts, shorts, pants and sleeves. Maintained a production percentage of more than 90 each week. Supplied work, on time, for eleven other employees who in turn supplied work for five other Russell plants. Maintained excellent attendance record. Maintained strong working relationships with ten workers.

**Screen Print Stenciler:** (1990-1998) Manually applied inks by using patterns and squeegees to create designs on garments. Consistently made over 100% production. Printed sample garments to be used in a magazine photo shoot for the sales department. Was videotaped performing my job for use in a training video for new employees. Trained more than a dozen new employees. Cross-trained in every aspect of screen printing which included engraving, reclaim, line supply, ink mixer, folder/inspector, packer, scheduler and screen stretcher. Set-up new machinery that came to us from other plants.

# EDWARD W. REID, P.S.M.

## Educational Background

Diploma: Valedictorian  
Marion Academy, Ocala, FL. 1978

A.S., Central Florida Community College  
Civil Engineer Technology, 1981



## Professional Experience

**Snelgrove Surveying & Mapping, Inc.** Marianna, FL. December 1, 2000 to present.  
Professional Surveyor and Mapper #4940. Registered in 1991

Duties include: Field Operations Supervisor, Quality Assurance Manager and Project Surveyor.

Ed has served as Project Surveyor for 36 or more F.D.O.T survey projects over the past 7 years which required Horizontal and/or Vertical Control surveys. He is personally responsible for ensuring that the field survey has been properly performed, meeting the geodetic standards and specifications as required, computations and adjustment of the Horizontal and Vertical Control runs, computation of centerline alignments, oversight and guidance of the mapping processes and Quality Assurance for both field and office operations. Three of the latest projects being S.R. 30(US 98) Bay Co. FP#406319-1-32-01, S.R. 188 Okaloosa Co. FP#409020-1-32-01 and Rob Forehand Road over Unnamed Branch Bridge Holmes Co. FP#409042-1-32-01.

Please inquire within District III's Surveying & Mapping Department, namely Wayne Young, Gainer Platt, Ira Carter or Eddie Rudd of Florida Department of Transportation, District III Office in Chipley Fl. Phone (850)-638-0250 ext.403, ext.725, ext.412 & ext. 410 respectively.

Ed has completed numerous surveys for the Florida Department of Transportation, including design surveys, right of way surveys, maintenance surveys, and control surveys. State plane coordinates, hard metric measurements and electronic data collection were utilized on these surveys.

**David H. Melvin, Inc., Consulting Engineers** Marianna/Tallahassee,  
1995 to November 30, 2000. Professional Surveyor and Mapper.

Duties included: Survey Crew Chief, Computations, Field Crew Coordinator and Project Surveyor.

**Lee Mills Engineering**, 1993-1995

Civil Engineering Technician and Professional Surveyor and Mapper,

Duties included: Survey Crew Chief and Computations.

**Chambers Surveying and Engineering**, 1981-1993.

Land Surveyor

Duties included: Survey Crew Chief, Computations and Field Crew Coordinator

Twenty years experience in a variety of surveying and engineering projects of local counties, municipalities, school boards, water management districts, Florida Department of Natural Resources, and Florida Power Corporation, in addition to work in the private sector. This experience includes boundary and/or topographic surveys of sectional lands and recorded subdivision lots, as-built surveys including subdivision and site plan construction, topographic layout, right-of-way surveys for roadway expansion and power line construction and mean high water surveys; experienced in managing all aspects of surveying operations and computation analysis of field operations and computations for section breakdowns, metes and bounds parcels and re-establishing lot corners within recorded subdivisions.



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <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
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21. TITLE AND LOCATION <i>(City and State)</i> <p style="text-align: center;"><b>Family Dollar / SR 276 Improvements</b> Jackson County, Florida</p>	22. YEAR COMPLETED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">PROFESSIONAL SERVICES <b>2004</b></td> <td style="width:50%;">CONSTRUCTION (if Applicable) <b>2005</b></td> </tr> </table>	PROFESSIONAL SERVICES <b>2004</b>	CONSTRUCTION (if Applicable) <b>2005</b>
PROFESSIONAL SERVICES <b>2004</b>	CONSTRUCTION (if Applicable) <b>2005</b>		

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Jackson County</b>	b. POINT OF CONTACT NAME <b>Wendell Taylor, Co. Admin</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>Retired</b>

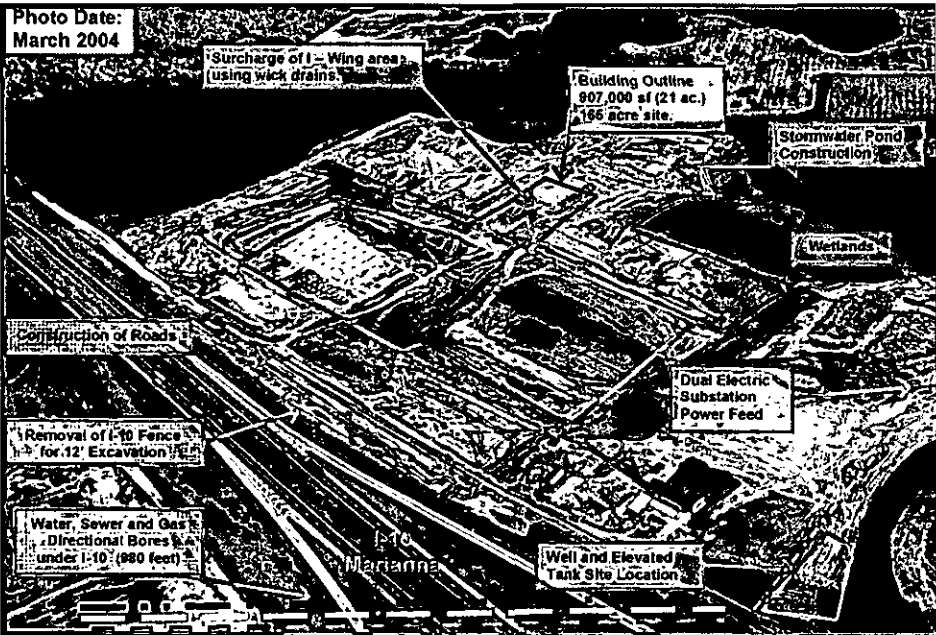
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

**Construction Cost:** \$3,200,000

**DHM Project Managers:** Gene Nobles, PE  
Natacha Phillips, PE  
Rod Adams, PE

**Relevance to SR 77 Project:**

- Turnlane Additions
- Utility Design and Coordination
- Project Management
- Aggressive Design Schedule
- R/W Acquisition
- FDOT Grant Coordination



**Project Description:**

The project consists of the design and construction of turnlane additions along SR 276 in Marianna adjacent south of Interstate 10 at Family Dollar Blvd and Commerce Drive intersections. The project also included an acceleration lane from SR 276 onto I-10 eastbound and the design of Family Dollar Blvd and Commerce Drive (new construction) for truck traffic. The design services included site survey, site design, utility extension design and coordination, right of way acquisition, and coordination with the local jurisdictions, and coordination with 7 funding agencies: FDOT, EDA, OTTED, Enterprise Florida, CDBG (2 grants), Jackson County and the City of Marianna.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b.	EGS, Inc	Tallahassee, FL	Geotechnical Investigation
c.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>SR75 (US231) – Project "Pellet"</b> Jackson County, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>June 2006</b>	CONSTRUCTION (if Applicable) <b>July 2008</b>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Jackson County, Florida</b>	b. POINT OF CONTACT NAME <b>Larry Alvarez, P.E.</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(850) 482-9629</b>

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$6,163,000

**DHM Project Manager:** Gene Nobles, PE  
 Natacha Phillips, PE  
 Rod Adams, PE

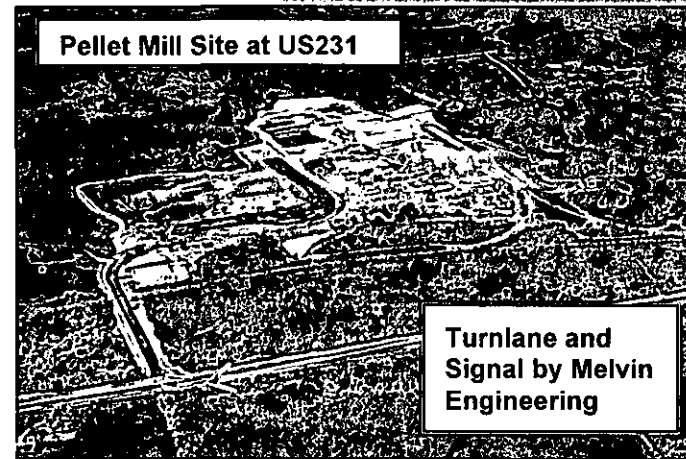
**Relevance to SR 77 Project:**

- Turnlane Design and Construction
- Signal Design and Construction
- Environmental – Wetlands Permitting
- Construction Administration
- Grant Funding Administration

**Project Description:**

The project consisted of the construction of the necessary infrastructure to support the Green Circle Bio Energy Wood Pellet production facility.

- 3 mile Water and Wastewater System Extension
- New 4-Lane County Road "Green Circle Parkway"
- New 4-Lane Signalized Railroad Crossing
- New Signalized Intersection on US 231
- Topographic and Boundary Surveys
- 300,000 Gallon Ground Storage Water Tank
- 2,000 gpm Water Booster Pumping Station
- Water and Wastewater Telemetry Systems
- Utility Bores Under Railroad and Interstate
- New 20MW Electrical Substation & Power lines



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <b>David H. Melvin, Inc. Consulting Engineers</b>	(2) FIRM LOCATION (City and State) <b>Marianna, FL Tallahassee, FL</b>	(3) ROLE <b>Civil Design, Structural Design, Construction Inspection Const. Management, Environmental Permitting</b>
b.	(1) FIRM NAME <b>Snelgrove Surveying and Mapping, Inc.</b>	(2) FIRM LOCATION (City and State) <b>Marianna, FL</b>	(3) ROLE <b>Surveying</b>
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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

21. TITLE AND LOCATION (City and State)  
**SR 77 Signal Addition at Nadia Ave.**  
 Washington County, Florida

22. YEAR COMPLETED  
 PROFESSIONAL SERVICES **2008**  
 CONSTRUCTION (if Applicable) **2009**

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
**Florida Department of Transportation**

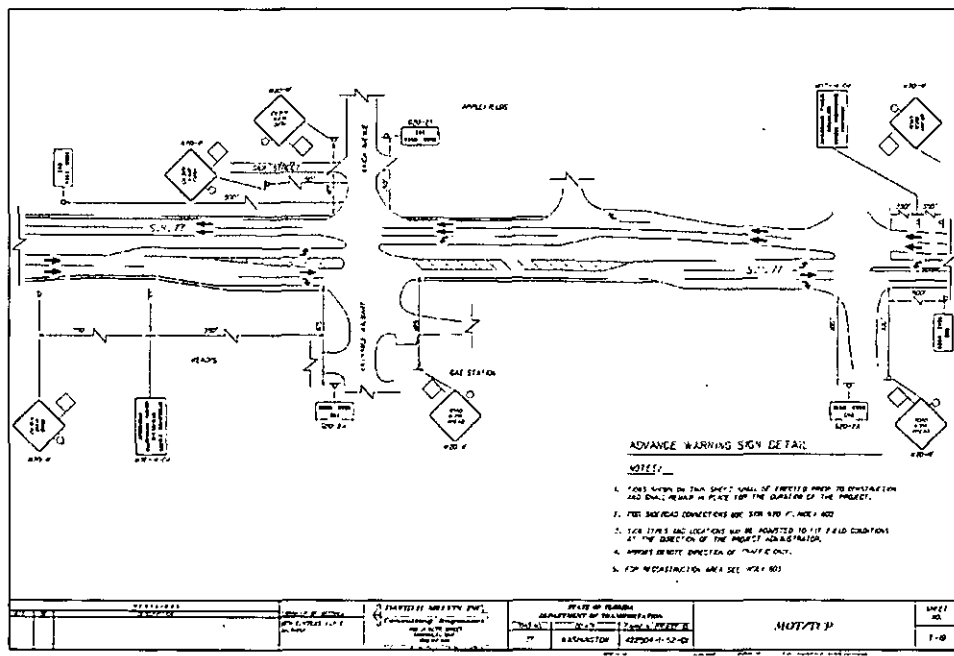
b. POINT OF CONTACT NAME  
**Tim Smith, PE Project Manager**

c. POINT OF CONTACT TELEPHONE NUMBER  
**850-638-2288**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

**Construction Cost: \$423,000**  
  
 DHM Project Managers: Gene Nobles, PE  
 Natacha Phillips, PE

**Relevance to SR 77 Project:**  
  
 Signal Design and Construction  
 Sidewalk Design and Construction  
 Utility Coordination  
 Project Management  
 R/W Acquisition  
 FDOT Grant Coordination



**Project Description:**

The project consists of signaling the intersection of SR 77 at the Wal-mart Entrance/Nadia Avenue. The signal will be supported by the use of concrete strain poles and interconnected with the traffic signal to the north on SR 77. Pedestrian signals will be utilized on all four approaches of the intersection. The Wal-mart entrance was evaluated for the need and designed for turnlanes. The design services included site survey, site design, utility coordination, and coordination with the local jurisdictions.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b.	EGS, Inc	Tallahassee, FL	Geotechnical Investigation
c.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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

21. TITLE AND LOCATION (City and State) <b>SR 71 Signalization Project at SR 166</b> Jackson County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Florida Department of Transportation</b>	b. POINT OF CONTACT NAME <b>Tim Smith, PE Project Manager</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>850-638-2288</b>
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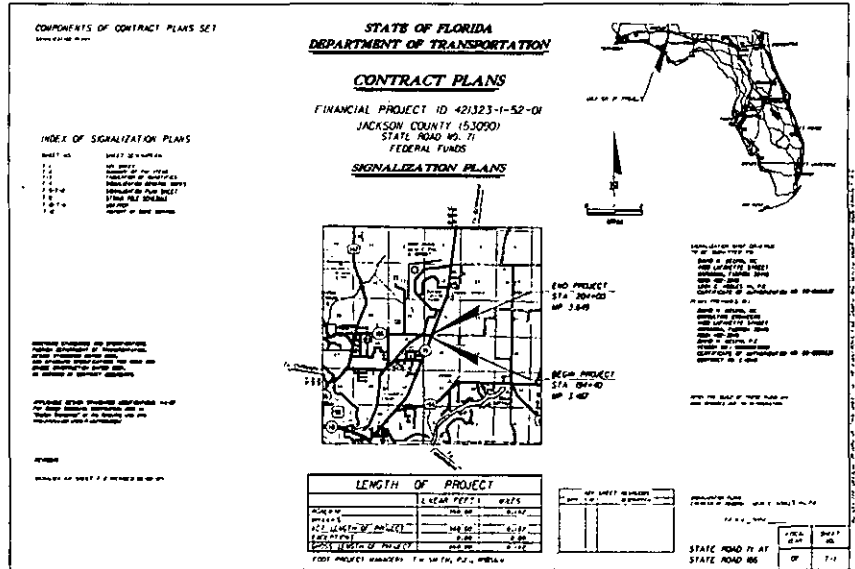
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost: \$213,000**

**DHM Project Managers: Gene Nobles, PE  
Natacha Phillips, PE**

**Relevance to SR 77 Signal and Turnlane Proj.:**

**Signal Construction  
Utility Coordination  
Project Management  
Aggressive Design Schedule**



**Project Description:**

The project consists of signalizing the intersection of SR 71 at SR 166. The signal will be supported by the use of concrete strain poles. The design services included site survey, site design, utility coordination, development and implementation of a community awareness plan, and coordination with the local jurisdictions.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME <b>David H. Melvin, Inc. Consulting Engineers</b>	(2) FIRM LOCATION (City and State) <b>Marianna, FL Tallahassee, FL</b>	(3) ROLE <b>Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination</b>
b.	(1) FIRM NAME <b>EGS, Inc</b>	(2) FIRM LOCATION (City and State) <b>Tallahassee, FL</b>	(3) ROLE <b>Geotechnical Investigation</b>
c.	(1) FIRM NAME <b>Snelgrove Surveying &amp; Mapping, Inc.</b>	(2) FIRM LOCATION (City and State) <b>Marianna, FL</b>	(3) ROLE <b>Design and R/W Survey</b>
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>SR 73 Milling, Widening and Resurfacing</b> Calhoun County, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2006</b>	CONSTRUCTION (if Applicable) <b>2007-8</b>

<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> <b>Florida Department of Transportation</b>	<b>b. POINT OF CONTACT NAME</b> <b>Lisa Stone, PE Project Manager</b>	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> <b>850-638-0250</b>

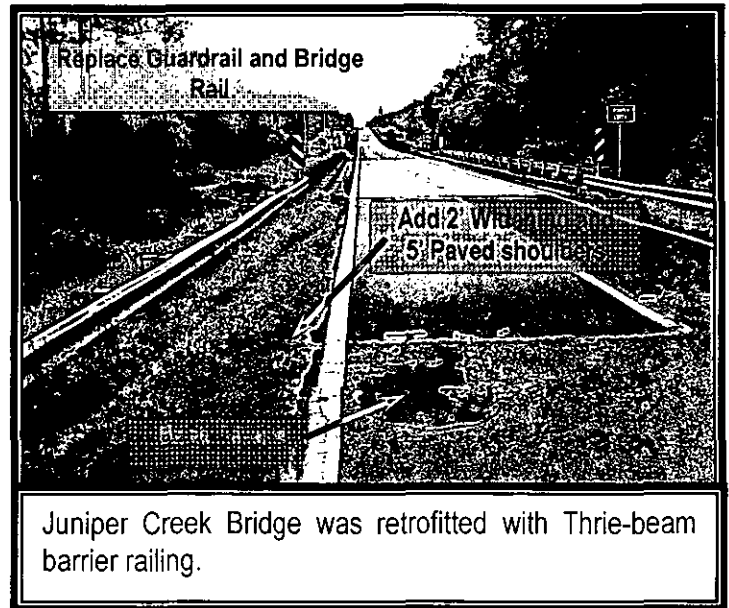
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$9,400,000

**DHM Project Managers:** Gene Nobles, PE  
Rod Adams, PE

**Relevance to SR 77 Project:**

- Major Roadway Construction
- Utility Coordination
- Project Management
- Drainage Improvements
- Permitting



**Project Description:**

The project consisted of milling and resurfacing SR 73 from SR 71 to SR 20 in Calhoun County. The roadway was designed to be widened 2' on each side to provide 12' travel lanes and also the addition of 5' paved shoulders. There was extensive drainage improvements including sidedrains, crossdrains and bridge culvert extensions along the 16 mile project length. The existing Juniper Creek bridge was upgraded with thrie-beam upgrades to the barrier rails.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>SR 10 Signalization Project at Smith St.</b> Jackson County, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION (if Applicable) <b>2009</b>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Florida Department of Transportation</b>	b. POINT OF CONTACT NAME <b>Tim Smith, PE Project Manager</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>850-638-2288</b>

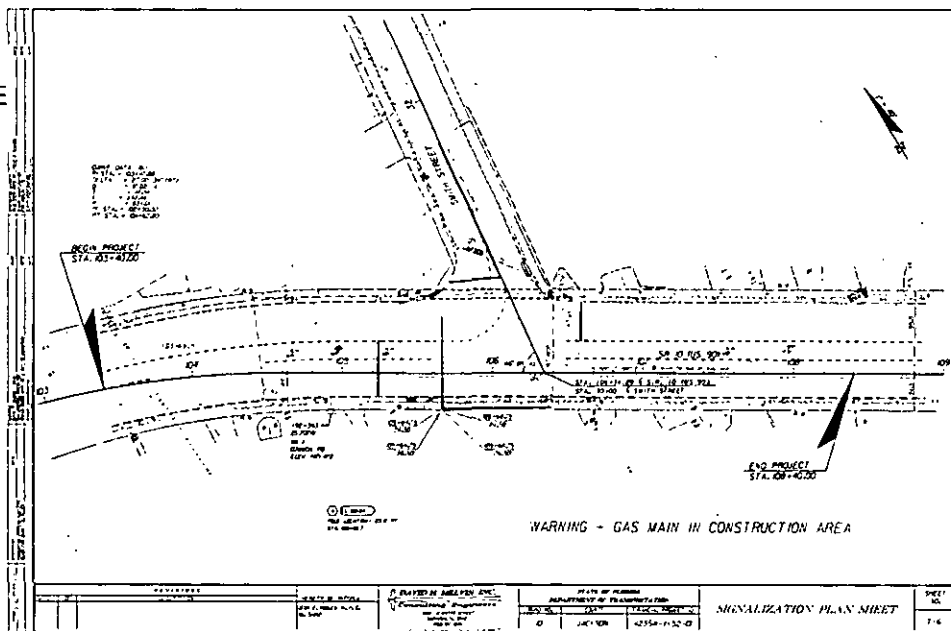
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$175,000

**DHM Project Managers:** Gene Nobles, PE  
Natacha Phillips, PE

**Relevance to SR 77 Project:**

- Signal Construction
- Pedestrian Consideration
- Utility Coordination
- Project Management
- Aggressive Design Schedule
- R/W Acquisition



**Project Description:**

The project consists of the installation of a traffic signal with pedestrian features at SR 10 and Smith Street in Marianna. The signal is supported by the use of mast arms. The design services included site survey, site design, utility coordination, right of way acquisition, and coordination with the local jurisdictions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
b.	EGS, Inc	Tallahassee, FL
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
c.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
d.		
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
e.		

**F. EXAMPLE PROJECTS WHICH 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

21. TITLE AND LOCATION (City and State) <b>SR 20 Signalization Project at Idlewild Dr</b> Leon County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Florida Department of Transportation</b>	b. POINT OF CONTACT NAME <b>Tim Smith, PE Project Manager</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>850-638-2288</b>

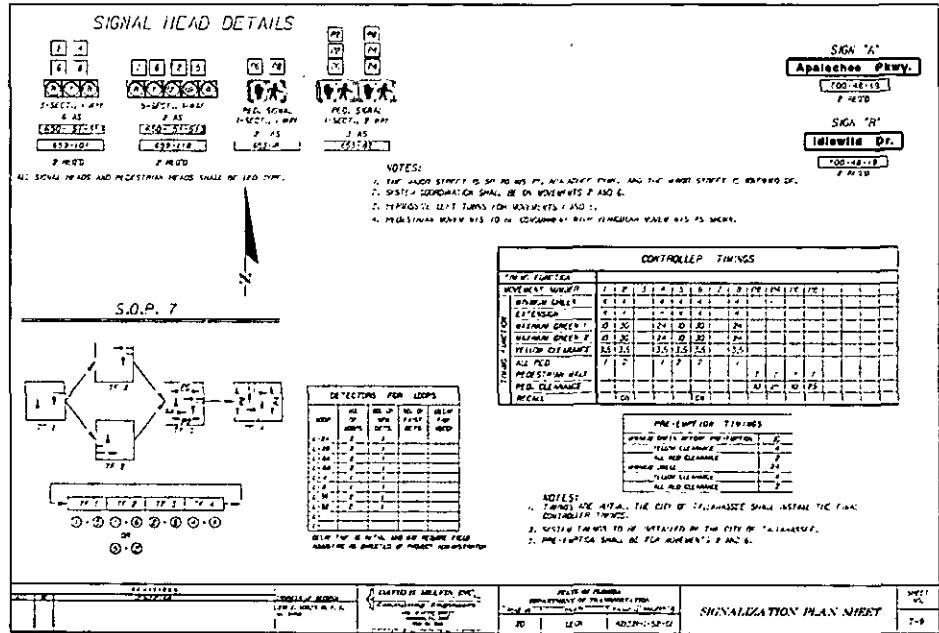
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

**Construction Cost: \$357,000**

DHM Project Managers: Gene Nobles, PE  
Natacha Phillips, PE

Relevance to SR 77 Project:

- Signal Construction
- Pedestrian Consideration
- Utility Coordination
- Project Management
- Aggressive Design Schedule



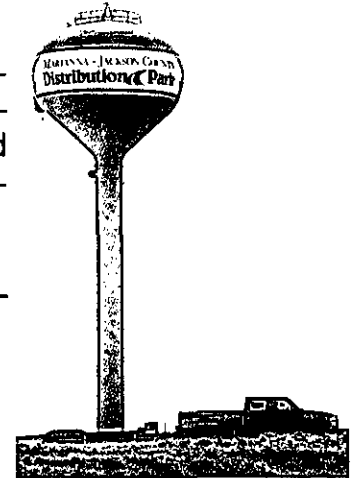
**Project Description:**

The project consists of signalizing the intersection of SR 20 at Idlewild Drive. The signal is supported by the use of mast arms. The project included the installation of pedestrian features and interconnection with signals along SR 20. The design services included site survey, site design, utility coordination, development and implementation of a community awareness plan, and coordination with the local jurisdictions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b. EGS, Inc	Tallahassee, FL	Geotechnical Investigation
c. Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
d.		
e.		

**WORK CATEGORY K. UTILITY ENGINEERING Services**

Melvin Engineering possesses an extensive background in full project management and design for utility services. Components include conducting studies, determining project feasibility, estimating costs, Water and Wastewater Treatment Facilities, water/sewer/gas utility services, and water system upgrades including tank refurbishment and construction.



**1. Number of Professionals Available for Assignment to this Category on Relatively Short Notice—3**

**2. Resumes**

**DAVID MELVIN, P.E., Principal in Charge and Engineer of Record**

Total Years Experience: 26	MBA, Graduate Studies, FSU, 1989	Registered Professional Engineer-Florida, License #38734; Georgia, License #17890; Alabama, License #18032; North Carolina, License #26692  LEED AP Certified
Job Assignments for Other Projects: Engineer of Record, Project Manager, CEI Inspector, Grants Administrator, Engineer	B.S., Civil Engineering, University of Florida, 1983  Associate of Arts Degree, Magna Cum Laude, Chipola College, 1981	

**MARC TOMLINSON, Project Manager**

Total Years Experience: 12	Chipola College	
Job Assignments for Other Projects: Utilities Designer		

**Staff Experience with Projects of a Similar Type, Size, and Involvement on following page:**



Project Name & Location	Scope of Services	Construction Cost	Owner's Rep	Agency's Rep	Design Completed
Green Circle BioEnergy, Inc. Cottondale, FL	3 mile water/wastewater extension; 300,000 gallon ground storage tank; 2,000 gpm water booster pumping station; water/wastewater telemetry systems; 20 mw electrical substation and power lines; utility bores under railroad and Inter-	\$110 million	Jackson County Board of County Commissioners	Larry Alvarez, P.E. 850.482.9633	2007
Green Circle BioEnergy, Inc. Cottondale, FL	40,000 gallon LP gas tank and distribution system	\$110 million	Tim Smith, Plant Mgr 850.832.8346		2008
Jackson County Wastewater Treatment Upgrades	Potable water distribution system extension, gravity sewer system, sewer lift stations, and existing lift station upgrades; design 2 lift stations and 2 upgrades	\$3.007 million		Larry Alvarez, P.E. 850.482.9633	2010
Arizona Chemical Corporation	Water/wastewater extension to new construction site; FDEP stormwater permitting		Bill Stanton 850.526.4005		2006
Sneads Wastewater Treatment Plant Upgrade	Multi-phase project to design new state-of-the-art treatment plant and sprayfield expansion.	\$9.2 million		Ed Kilpatrick 850.593.6636	2010

David Melvin, Principal in Charge, Engineer of Record  
 Marc Tomlinson, Project Manager/Designer

**B.2. Names and Description of Projects Under Contract for Utilities Engineering**

Jackson County WWTP Upgrades	95% complete
City of Jacob Water Improvement	95% complete
Town of Sneads WWTP Upgrade	95% complete

### B. 3. B. 4. Meeting Design Standards/Special Resources

Melvin Engineering accomplishes utilities design excellence by referencing multiple sources from the Federal, State, and Local level. Those references include the Florida Department of Environmental Protection Design Criteria, Northwest Florida Water Management District regulations, the Florida Department of Environmental Protection, the National Pollution Discharge Elimination System (NPDES) which is regulated by FDEP, and plan development based on the Stormwater Pollution Prevention Plan (SWPPP). Each project, however, is different and subject to City of Tallahassee and Leon County requirements.

### C. Willingness to Meet Schedule and Budget Requirements

Melvin Engineering employs two methods to ensure that projects are delivered on time and within budget. Utilizing the software resources of Microsoft Project, each task order is assigned a Project Manager who then determines the amount of time it will take to design/manage the project by identifying all components including sub-consultants, expected permitting turnaround, bid advertisements, etc., and assigning a time to each task. This schedule, of course, is discussed with and agreed upon by the client. In order to ensure the project remains on schedule, the following project coordination is implemented:

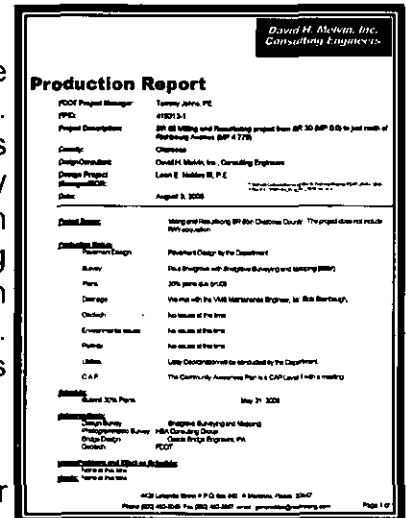
#### Coordination with the County

Our Project Manager will keep the County's designated staff project manager informed of project status in three ways:

**Written Status Reports.** Our assigned Project Manager will review the team member's project progress at the weekly team production meeting. On a monthly basis, the Project Manager will summarize these reports into the Summary Production Report which will be sent by the County representatives chosen method of delivery. The Summary Production Report will provide a clear, concise report on the project noting highlights, percentage completion of each aspect, elements that are on hold awaiting further information or instructions and all problem areas. This method of coordination has been used successfully with agencies and clients.

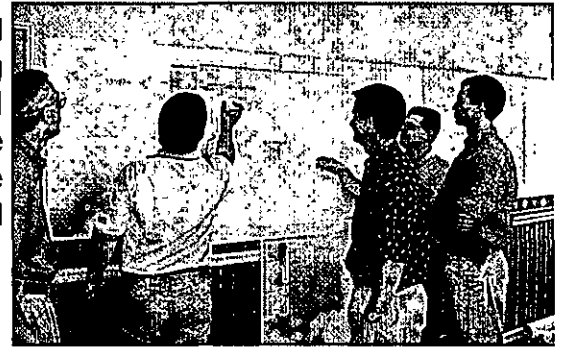
**Scheduled Meetings.** We will hold these meetings as needed or requested by the County's Project Manager, other County staff when specific input is required, our Project Manager and other design team members when their specific input is required. The meetings will be structured to be concise and well organized with an agenda for meetings not to exceed 45 minutes in length. Our goal is to minimize the burden placed on the County's Project Manager and other County staff.

**Unscheduled Communication** (as needed usually via email). This method will be used with great discretion by our Project Manager to prevent unnecessary expenditure of the County's Project Manager's time. Unscheduled communication will occur only when our Project Manager has evaluated the question or information at hand and then determined that such question or information is of vital importance to the immediate progress of the project that normally scheduled communications are not adequate in this particular case.



## In-House Coordination

In-house coordination will be achieved by several methods. The primary method will be Thursday morning production meetings. The County's projects will be reviewed at this meeting on a weekly basis. Notes from phone conversations, meetings, and other correspondence will be recorded and copies distributed to the project notebook and other appropriate individuals.



## Sub consultant Coordination

Sub consultant coordination will follow the same methodology as the in-house coordination since the sub-consultant's relationship is the same in-house design team members. The sub consultant will be asked to attend the weekly project team meetings as needed

## Agency Coordination

The final element of project coordination is with outside agencies such as the Florida Department of Environmental Protection, NFWFMD, local officials, and utility companies. Meetings of significance with these agencies will be scheduled in advance to allow department staff the opportunity to attend and participate. All communication with outside agencies will be recorded and incorporated into the project notebook.

A monthly report will be supplied to the County's Project Manager and will detail progress on all project activities, outline significant tasks for the next reporting period and bring attention to problems that may impact the project schedule and/or budget and describe what action is currently taking place to solve these problems.

## **D. Recent and Current Project Workload for Utility Engineering**

Jackson County WWTP Upgrades	95% complete
City of Jacob Water Improvement	95% complete
Town of Sneads WWTP Upgrade	95% complete

Cottdale Wastewater Treatment Plant Upgrades      Pending Grant Funding

## **E. Effect of Project Team Location**

With offices in Tallahassee and Marianna, the work will be divided according to the best staff resources. Because of the proximity to both office locations, employees frequently work where needed regardless of where they reside.

## **F. Project Approach**

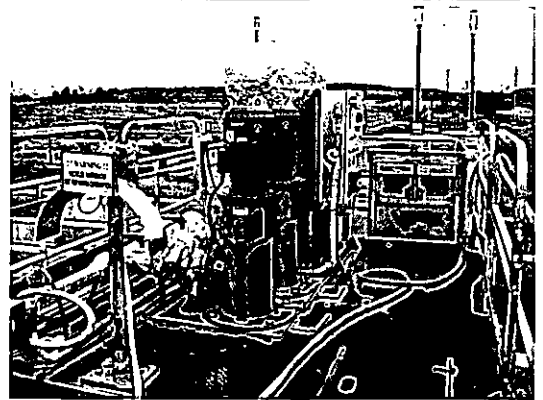
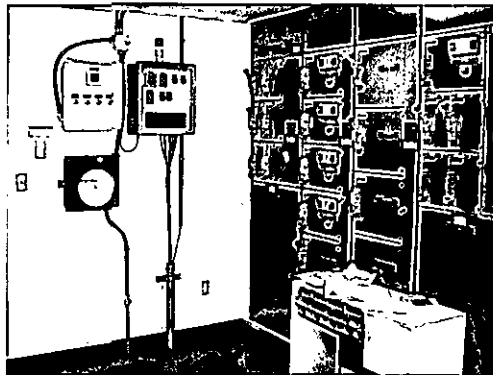
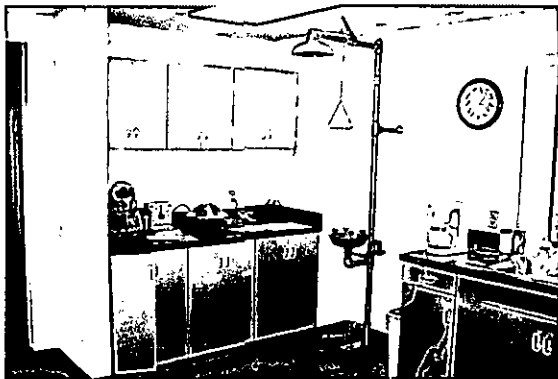
Melvin Engineering's approach to each project begins with a commitment to the County to we provide excellent service that begins and ends with our Availability, Flexibility, Dependability and Attentiveness. Our experience has taught us that whether the project is simple or complex, there are multitudes of details that must be noted and reflected in the final plans product. These range from design issues to coordination with local governments and in-house communication.

The qualities above are a strong part of the corporate culture at Melvin Engineering and will be a major factor in the success of our approach. We are grateful for the successful work accomplished

with Cities and Counties, as well as federal, state, and local agencies located throughout Northwest Florida. We look forward to completing many successful design projects in the near future for the County.

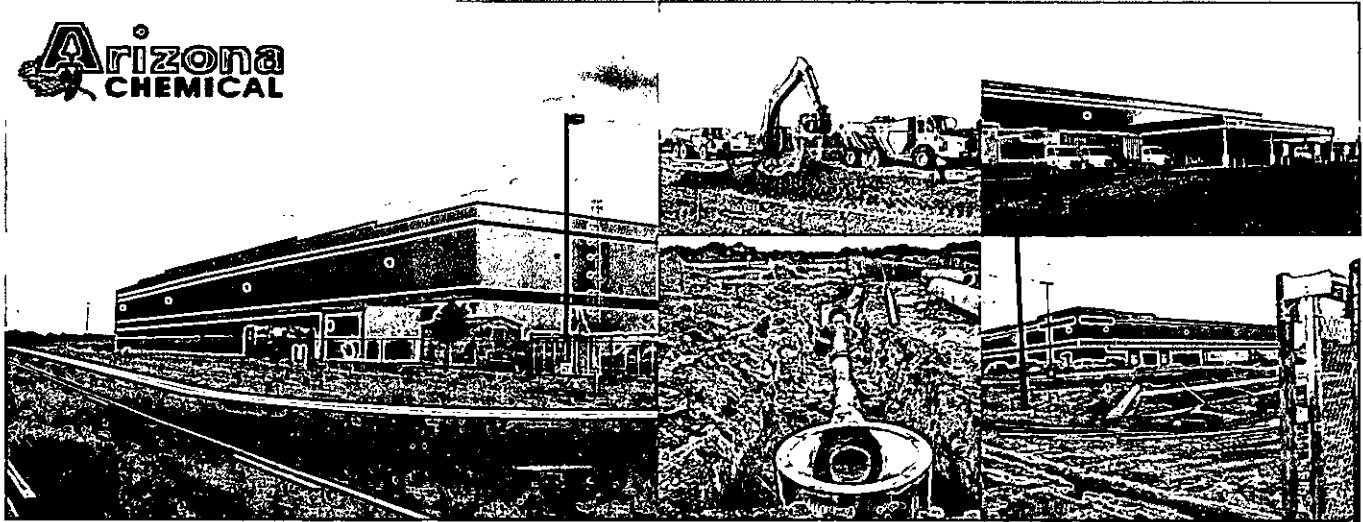
Our methodology is to ensure we have a clear understanding of the project which means field reviews, coordination with stakeholders, contractors, and service providers, when necessary. Because we are experienced in roadway design, we are ready to proceed immediately to begin discussion of contract schedule and budget. Oftentimes, that discussion takes place simultaneously with production because of time limits or conflicts. When it comes to production, we typically review the project and approach it from two levels: 1. Identify unique issues which may include drainage, ineffective structures, sensitive environmental issues, or any other number of issues that are a little less than ordinary, and 2. identify those issues that are common to the project so that we can quickly begin plans production or other associated tasks. A thorough review of each project enables our team to investigate and begin thinking about how to resolve and address the ordinary as well as the extraordinary.

### Sneads Wastewater Treatment Plant and Control Building



**Arizona Chemical Company**  
Marianna, Florida

*Economic Development in partnership with the  
State of Florida, City of Marianna, and  
Jackson County, Florida in cooperation with  
Jackson County Development Council*



**MAJOR MANUFACTURER OF  
PINE CHEMICALS EXPANDS TO  
DISTRIBUTION PARK**

Established in 1930, Arizona Chemical is the world's leading bio-refiner of pine chemicals providing pine-based materials to customers in diverse markets including adhesives, inks, coatings, roadmarking, tires & rubber, personal care, lubricants, fuel additives, and mining and oilfield. A division of International Paper Company, Arizona Chemical is located in the recently developed Jackson County/Marianna Distribution and Construction Services Park at I-10 and SR 276. The company's first phase includes a 123,160 sq ft building situated on a 14 acre site with an additional 40,000 sq ft pad for future expansion. Professional services provided by Melvin Engineering included site, roadway, utility, and landscape architecture design, permitting, grants administration, and construction engineering inspection.

*DAVID H. MELVIN, INC.*  
  
*Consulting Engineers*

***dhm design  
considerations***

- ◆ Annexation into the City of Marianna; preparation of Jackson County Development Order Application
- ◆ FDEP Permitting for stormwater, water, and sewer
- ◆ 1,240' Access Road to site
- ◆ Multi-agency grant administration
- ◆ Fast track—90 Day survey, design, and permit application submittal
- ◆ Multi-agency coordination for access roadway
- ◆ Local government coordination

  
**JACKSON COUNTY**  
**Development Council, Inc.**  
*Building Communities Through Partnerships*

**City of Marianna  
Jackson County, Florida**

**Distribution Park**

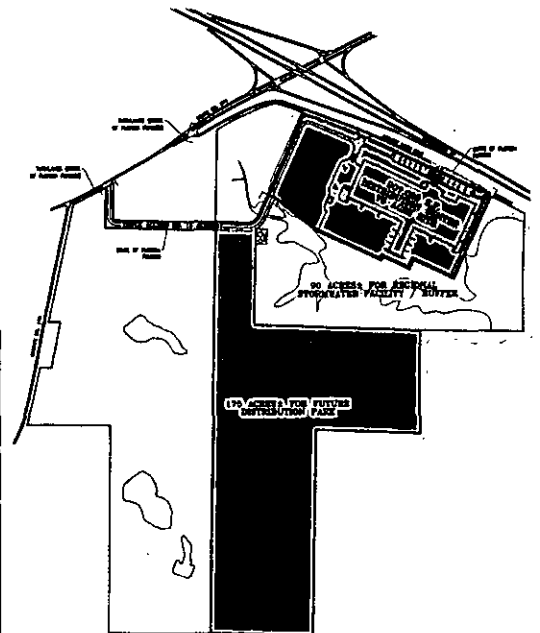
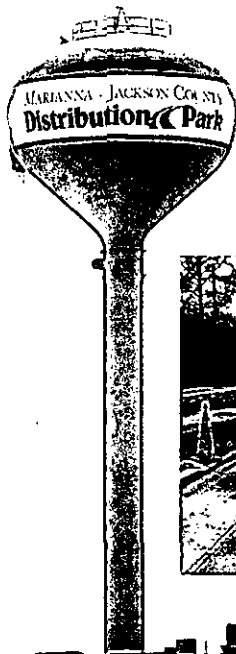
**dhm design  
considerations and services**

- ◆ Expedited Construction Schedule
- ◆ Utility Design and Permitting
  - I-10 directional bore for 980' of natural gas, water and wastewater extension
  - Multiple wastewater pumping stations
  - 300,000 gallon pedisphere water storage tank
  - 1,000 gpm water well
- ◆ Widening of SR 276 to I-10 from 2 lanes to 4
- ◆ Regional Stormwater Treatment System
- ◆ New Roadway design for 3 lane truck access: Distribution Drive
- ◆ New 2 lane Roadway design: Family Dollar Parkway
- ◆ Environmental Permitting
- ◆ Construction Inspection
- ◆ Grants Administration
- ◆ Landscape Architecture
- ◆ Wetlands Mitigation
- ◆ Federal Approval for I-10 right-of-way earthwork
- ◆ Land use change from Agriculture to Commercial
- ◆ Topographic and Boundary Survey

Located at the intersection of I-10 and SR276, the Marianna Jackson County Distribution Park sits on a 351 acre site. At a cost of \$7.1 million, the initial development began in 2004 when the Family Dollar Distribution Center was constructed; a 907,000 square foot building on a 166 acre site.

Working cooperatively with the Jackson County Board of County Commissioners and the City of Marianna, this major development was the result of multiple efforts to bring a targeted transportation market to the area. Both North/South and East/West access is readily accessible. As the necessity for regional job creation and economic sustainability came into focus, the County and City partnered with federal, state, and local agencies for funding.

Melvin Engineering was pleased to be a major part of the effort in providing design for utilities, roadway, and the site. Today, Distribution Park is also home to Oldcastle Precast Concrete and Arizona Chemical. Efforts are ongoing to attract additional companies to the area.



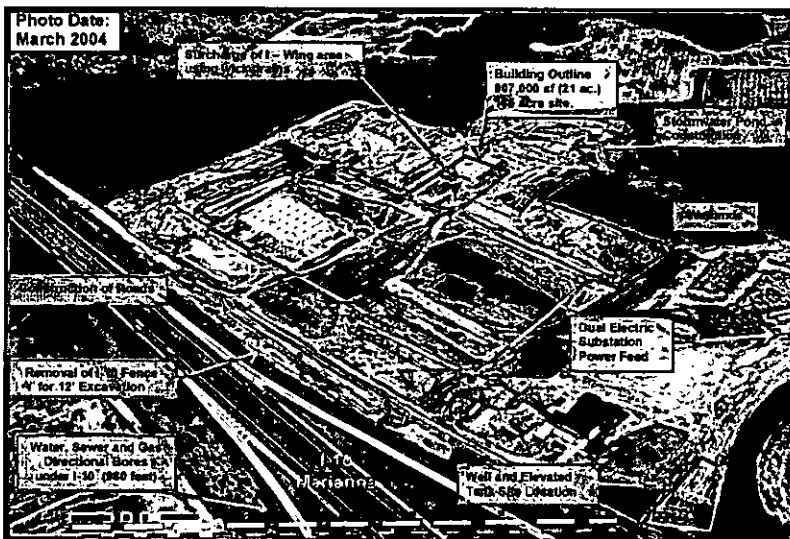
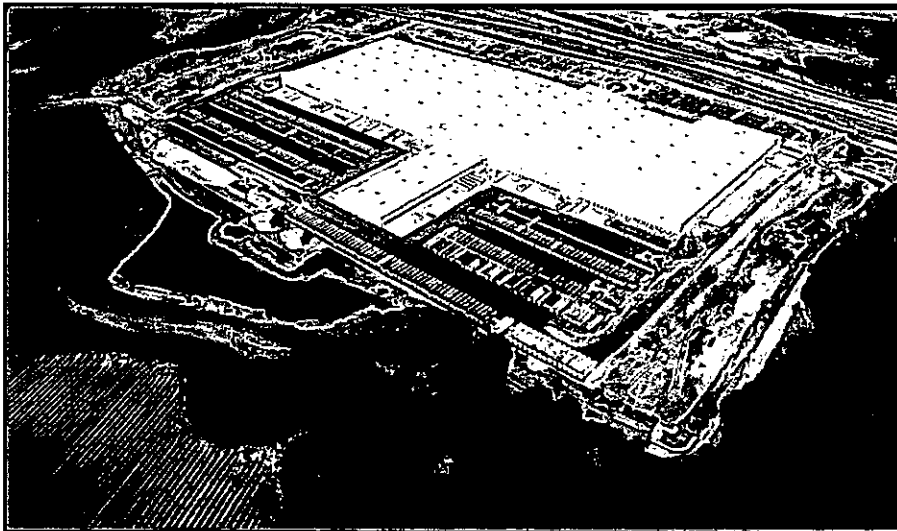
**DAVID H. MELVIN, INC.**  
Consulting Engineers

## *Family Dollar Distribution Center Project*

Jackson County, Florida  
City of Marianna, Florida

**Design, New Construction, Construction Inspection,  
Contract Administration**

### *dhm design considerations*



- Site Design
- Utility Design
- Drainage System Design
- Permitting
- New Roadway Design
- Turn Lane Additions
- Signing and Pavement Markings
- Stormwater Attenuation and Treatment System
- Coordination with FDOT and FHWA
- Elevated Tank Design and Construction
- Roadway, Utilities, and Site Design Construction Inspection
- Multi-agency Grant Acquisition and Administration
- Accelerated Design and Construction Schedule

**DAVID H. MELVIN, INC.**

*Consulting Engineers*

## ***Family Dollar Distribution Center Project***

**Jackson County, Florida**

**City of Marianna, Florida**

### **Design, New Construction, Construction Inspection, Contract Administration**

The Family Dollar Distribution Center, a 907,000 sq. ft. facility, located near the I-10/S.R. 276 interchange required the extension of the City of Marianna's water, wastewater and natural gas systems. Melvin Engineering provided design, permitting and inspection services for the project. The utility extensions and improvements consisted of:

Fire Protection Facilities – Including two 300,000 gallon ground water storage tanks, and two fire pump houses, with electrical and diesel driven fire pumps.

Water System Extension – The City of Marianna's potable water distribution system was extended from north of I-10 to the Distribution Center located south of I-10, requiring installation of 12" HDPE water main under I-10 by directional drilling, and over 1,400 LF of 12" PVC water main.

Elevated Water Storage Tank – To accommodate the Distribution Center and for future development, a 300,000 gallon elevated water storage tank was erected adjacent to the Family Dollar site, just south of the I-10 right of way. A pedesphere design tank was selected to provide a visually appealing addition to the I-10/S.R. 276 interchange.

Wastewater Improvements – A new sewer lift station was constructed adjacent to the Distribution Center site and over 1,000 LF of 6" PVC force main was installed. A HDPE force main was installed under I-10 by directional drilling and connection was made to the Marianna wastewater collection system just north of I-10.

Natural Gas System Extension – The City of Marianna's natural gas distribution system was extended from Orange Street to the Family Dollar Distribution Center. This required installation of over 12,000 LF of 4" steel gas piping, the installation of a 4" steel gas line under I-10, the construction of two gas pressure regulator stations, and installation of nearly 5,000 LF of 4" HDPE gas piping.



**Green Circle BioEnergy, Inc.**  
Cottondale, Florida

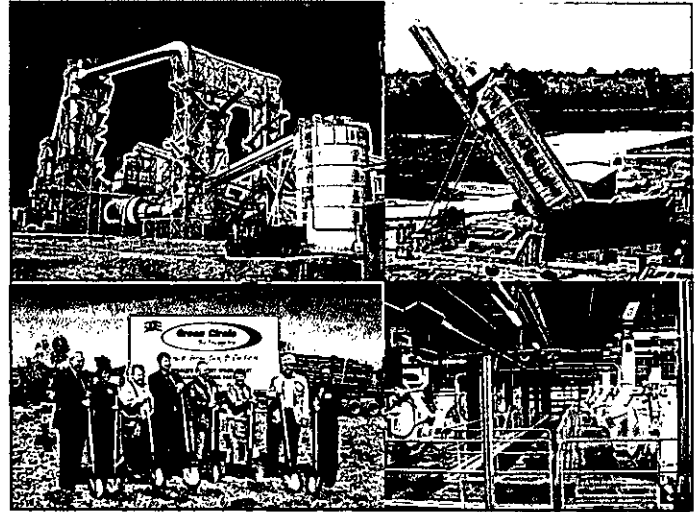
*Economic Development in partnership with the  
State of Florida, Jackson County, Florida  
and in cooperation with  
Jackson County Development Council*

*Green Circle BioEnergy, Inc., Builds the  
World's Largest Wood Pellet  
Manufacturing Facility in Jackson County*

The world's largest wood pellet manufacturing facility began shipping products exactly one year after ground was broken at the 256 acre site located in Jackson County, Florida. Supplying wood pellets to the power generating industry for co-firing in coal based power plants, the 24 hour/7 day week operation has an annual production capacity of 560,000 metric tons.

That Jackson County is located in the heart of the world's largest plantation style pine forest was certainly a consideration of Green Circle's location Team, but just as important was the commitment of the Jackson County Economic Development team to provide the services, incentives, and coordination of federal, state, and local agencies. Melvin Engineering was part of the Team committed to research, develop, and report information regarding site, roadway, utility, and structural design elements along with permitting and funding potential.

As one of several "fast-track" projects that Melvin Engineering was privileged to be part of, the Green Circle project was also on a fast track with a 12 month construction schedule that began with a 256 acre site design to accommodate stormwater ponds, railcar loading areas, raw material storage areas, a 4 story Pellet Mill and a 5 story Hammermill building that totaled more than 63,000 sq ft. The project has been recognized state-wide and industry-wide as a regional economic development success story.



**dhm design  
considerations**

- ◆ 3 mile water and wastewater system extension
- ◆ New 4 lane roadway
- ◆ New 4 lane signalized railroad crossing
- ◆ New signalized intersection on US 231
- ◆ Topographic and Boundary surveys
- ◆ 300,000 gallon ground storage water tank
- ◆ Wetlands permitting including 80 acres of mitigation
- ◆ 40,000 gal LP gas tank and distribution system
- ◆ 20 Megawatt electrical power system
- ◆ Threshold Building Inspection
- ◆ Structural Building Design
- ◆ Fire Suppression System
- ◆ Utility Bores Under railroad and interstate
- ◆ 2,000 gpm water booster pumping station

**DAVID H. MELVIN, INC.**  
Consulting Engineers

**Green Circle**  
Bio Energy Inc.

**JACKSON COUNTY**  
**Development Council, Inc.**  
Building Communities Through Partnership

***Green Circle BioEngery, Inc.***  
**Jackson County, Florida**

**Design, Permitting, Contract Management, and Construction Inspection**

The Green Circle Pellet Mill, located approximately two miles south of the I-10/U.S. 231 interchange in Cottondale, Florida, is the world's largest manufacturer of wood pellets. Owners selected Jackson County based on the availability of natural resources, proximity to the Port of Panama City, and a commitment by the Jackson County Development Council and all local stakeholders to meet the accelerated design, permitting, and construction schedule. The infrastructure demands included a new roadway access and water and sewer extensions and upgrades as follows:

Ground Storage Tank and Booster Pump Station – Including a 300,000 gallon ground storage tank, and two booster pumps to supply the required fire protection for the Green Circle facility and supplement supply to the county's water distribution system, a pump house, and emergency generator.

Water System Extension – The City of Cottondale's potable water distribution system was extended from north of I-10 to the Green Circle Pellet Mill located south of I-10, requiring installation of over 12,000 LF of 12" PVC water main.

Wastewater Improvements – Approximately 1,100 LF of gravity sewer and a new sewer lift station was constructed adjacent to the Pellet Mill site and over 6,100 LF of 6" PVC force main and 4,100 LF of 8" PVC force main were installed.



**Jackson County, Florida**  
*in partnership with*  
**USDA-Rural Development**

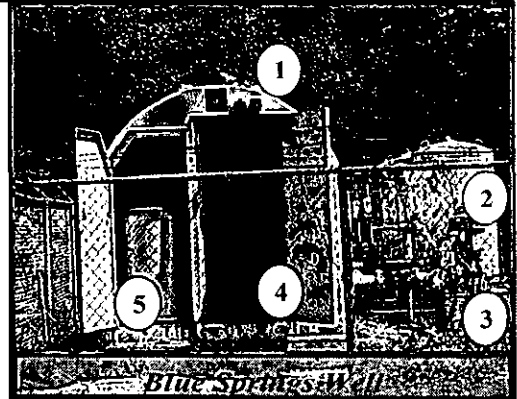
*Jackson County Water/Wastewater  
 System Improvements*  
**Rural Development Funding**  
 Loan \$2,014,000 (67%)  
 Grant \$ 992,834 (33%)

**GROWTH BRINGS UTILITIES DEMANDS**

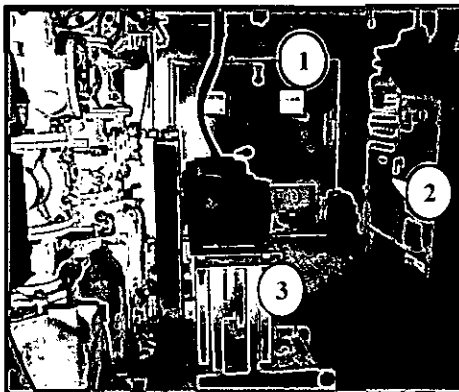
The Jackson County Water and Wastewater System currently serves residential and commercial customers along the US90/SR71/I-10 Corridor. To provide for future development, the County continues to make system improvements.

Phase I improvements, completed in 2007, consisted of Water System Extensions and Wastewater improvements to increase service along US 90 east and to accommodate a new hotel at the SR 71/I-10 interchange.

Phase II was completed in 2009. The project consists of Water Treatment Plant upgrades, a potable water distribution system extension, construction of a gravity sewer system, sewer lift stations, and existing lift station upgrades.



- ① Paint hydro-pneumatic Tank
- ② Replace undersized sand filters
- ③ Refurbish Well #2
- ④ Refurbish electrical room
- ⑤ Relocate Chlorine Room



- ① Replace doors
- ② Upgrade Control Panel
- ③ Replace 25 hp motors with 40 hp motors



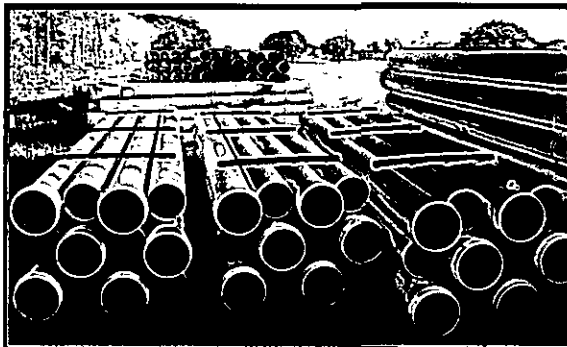
**dhm design considerations**

**PHASE I**

- ◆ Installation of 1,700 lf of 12" pvc water main
- ◆ 4,900 lf of 10" pvc water main
- ◆ 4,500 lf of gravity sewer and construction of a sewer lift station

**PHASE II**

- ◆ Water Treatment Plant Upgrade
  - Refurbish two wells
  - Install new controls and electrical service
  - Refurbish a 6,000 gallon hydro-pneumatic tank and replace undersized existing sand filters with two new properly sized sand filters.
- ◆ Installation of over 700 lf of 10" pvc water main
- ◆ Two jack and bores to install the water main under roadway
- ◆ Installation of 750 lf of gravity sewer
- ◆ Construction of two sewer lift stations and two existing lift station upgrades
- ◆ 8,600 lf of 10" force main installed to eliminate re-pumping and increase wastewater transmission system capacity



**DAVID H. MELVIN, INC.**  
*Consulting Engineers*

## **Oldcastle Precast Marianna, Florida**

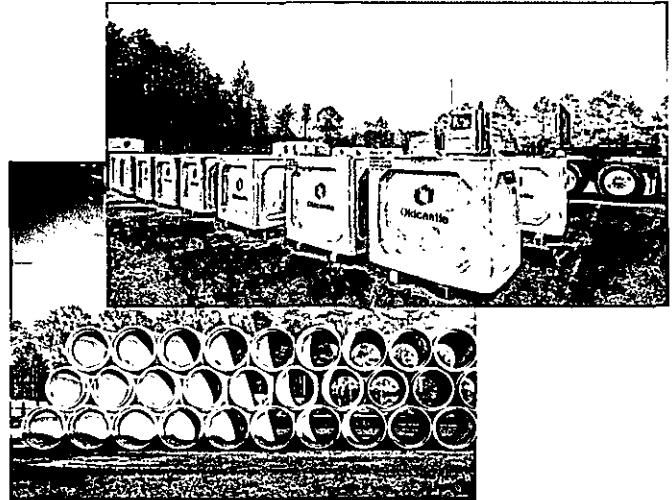
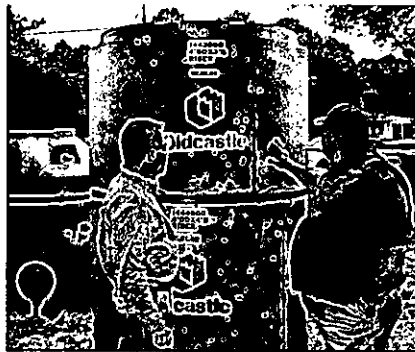
*Economic Development in partnership with the  
State of Florida, City of Marianna, and  
Jackson County, Florida in cooperation with  
Jackson County Development Council*

### *Largest US Manufacturer of Precast Concrete Locates in Jackson County, FL*

In 2006, Oldcastle Precast located in the Marianna Jackson County Distribution and Construction Services Park. As one of the companies 80 facilities located throughout the United States, the Marianna location manufactures precast concrete for infrastructure projects including stormwater, drainage, and wastewater. Situated on approximately 14 acres, Oldcastle constructed a 45,000 sq ft industrial manufacturing facility with a 25,500 sq ft stone paved finished product storage area. Access to the site is from Family Dollar Parkway located at the intersection of I-10 and SR 276.

Melvin Engineering provided professional services for design of site, utilities and roadway, grants administration, and construction inspection.

Oldcastle products are frequently called for in construction specifications on many utility projects. Below, dhm's Marc Tomlinson (Utilities Designer) and Inspector Ben Bell, perform a field review of Oldcastle products to be used on the Jackson County Water and Wastewater Improvements project.



### **dhm design considerations**

- ◆ Design of 1,700 lin ft of access roadway
- ◆ Utilities design of 7,300 lin ft of 12" water main, 6" sewer force main, 4" gas main, a 2" conduit bank for electric service, 1,200 lin ft of 8" gravity sewer with a sewer lift station
- ◆ FDEP Permitting
- ◆ 1.9 acre Stormwater management facility design
- ◆ Grants administration with multiple funding agencies and multiple local government agencies
- ◆ Construction Engineering Inspection for roadway, site, and utilities

**DAVID H. MELVIN, INC.**  
Consulting Engineers

**JACKSON COUNTY**  
**Development Council, Inc.**  
*Building Communities Through Partnerships*

***Sneads Wastewater  
Treatment Plant and  
Sprayfield Expansion  
Sneads, Florida***

***Economic Development in partnership with  
the USDA Rural Development, State of  
Florida, Department of Corrections, and  
the Town of Sneads***

**LOCAL GOVERNMENT BUILDS NEW WASTEWATER TREATMENT PLANT  
AND SPRAYFIELD EXPANSION**

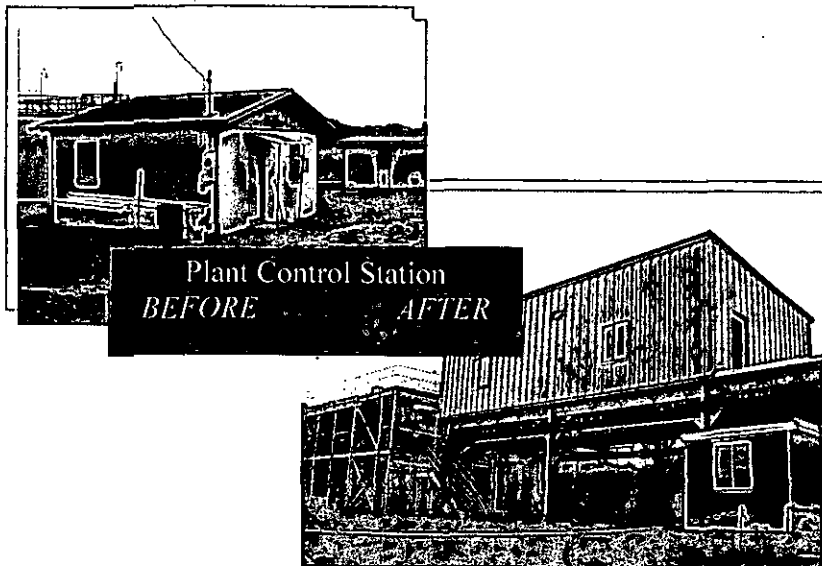
The Melvin Engineering Utilities Division team and the Town of Sneads reached an agreement with the Florida Department of Environmental Protection to significantly upgrade the Town's existing wastewater treatment plant (WWTP) and sprayfields. The existing facility, which treats wastewater from the Town of Sneads and the Apalachee Correctional Institution (ACI), was recently upgraded from a daily capacity of 495,000 gallons to 1.1 million gallons. The effluent sprayfield was expanded from approximately 40 acres to 203 acres.

Upgrading the system is being accomplished in two construction phases with costs spread over two grant funding cycles. Melvin Engineering was instrumental in obtaining funding from *USDA Rural Development* which approved a \$1.8 million loan and provided a \$1.2 million grant. The Florida Department of Corrections provided a \$1.2 million grant bringing the total Phase I funding to \$4.2 million.

Phase 1 construction began in July, 2002 and was completed in October, 2003. USDA Rural Development awarded \$5.5 million for Phase 2. An additional \$200,000 for Phase 2 was funded through CDBG. The total two-phase project cost is estimated to be \$9.9 million.

***dhm project  
considerations***

- ◆ Conformity to and compliance with Department of Environmental Protection Design Standards and Guidelines
- ◆ Coordination of multiple funding agencies
- ◆ Cast-in-place concrete tank construction for long term reliability
- ◆ Utility easements
- ◆ State-of-the-art treatment process with secondary treatment including nutrient removal and chlorine disinfection.
- ◆ Design included use of three 150 hp vertical turbine pumps to disperse the treated effluent to 10 telemetry controlled center pivot irrigation systems.



**DAVID H. MELVIN, INC.**  
*Consulting Engineers*

***Sneads Wastewater  
Treatment Plant and  
Sprayfield Expansion  
Sneads, Florida***

***State of the Art Facility***

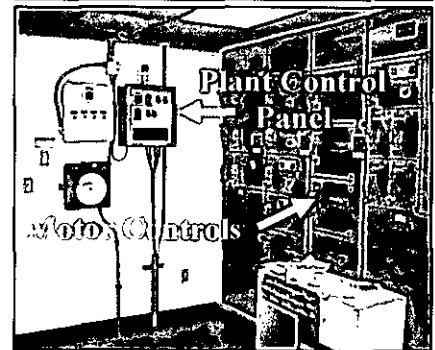
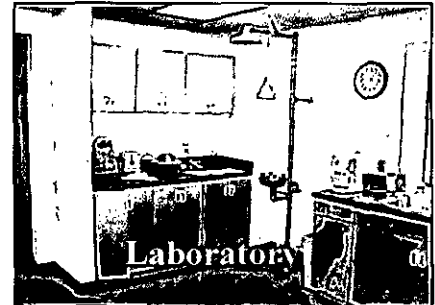
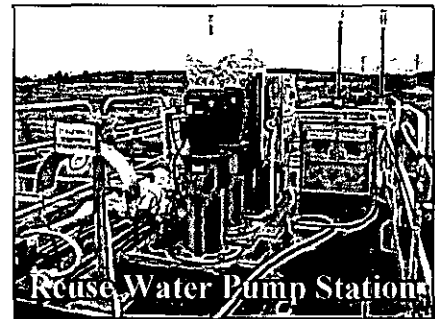
**WASTEWATER TREATMENT PLANT GAINS  
STATEWIDE RECOGNITION FROM  
USDA—RURAL DEVELOPMENT**

Coinciding with EarthDay 2007, the Sneads Wastewater Treatment plant and sprayfield was recently recognized by the USDA, Rural Development for its state of the art design and positive environmental impact. Selected from projects located throughout the State of Florida, the Sneads facility was selected as the top award winner based on design, operation, and maintenance in addition to meeting and exceeding all environmental requirements.

When the Town of Sneads began the significant upgrade of the existing wastewater treatment plant and sprayfield, many design considerations came into play. Among them was the design of the Plant Control Station, an integral part of the facility's use.

Upgrading the system from 495,000 gallons to a 1.1 million gallon daily capacity, and expanding the sprayfield from 40 acres to 203 acres brought with it the challenge of how best to manage and control the site. Senior Engineer and Project Manager, Bill Nobles of Melvin Engineering, approached the design with a commitment to deliver the best facility to meet the needs of the Town plus provide staff all the necessary equipment to allow for optimum efficiency. Plant Operator, Glenn Allen, beams with pride whenever he talks about the facility. According to Mr. Allen, "The Town of Sneads has the best wastewater treatment plant and sprayfield operation in the Southeast

The total two-phase project cost is estimated to be \$9.9 million when complete.



**DAVID H. MELVIN, INC.**  
*Consulting Engineers*

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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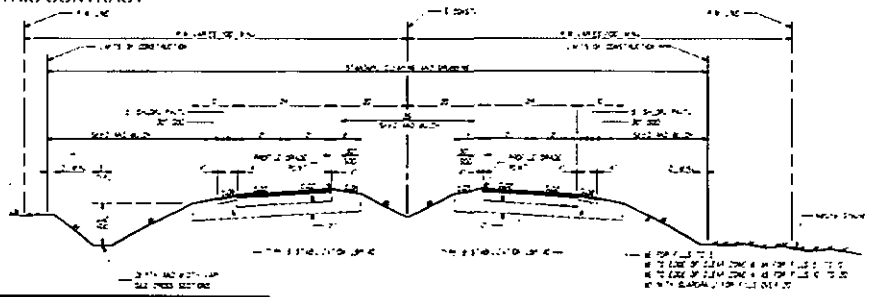
<b>21. TITLE AND LOCATION (City and State)</b> <b>SR 79 Multilane Reconstruction Project</b> Washington County, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>December 2007</b>	CONSTRUCTION (if Applicable) <b>July 2011</b>

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> Florida Department of Transportation	<b>b. POINT OF CONTACT NAME</b> Lisa Stone, Project Manager	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 850-638-0250 Ext. 744
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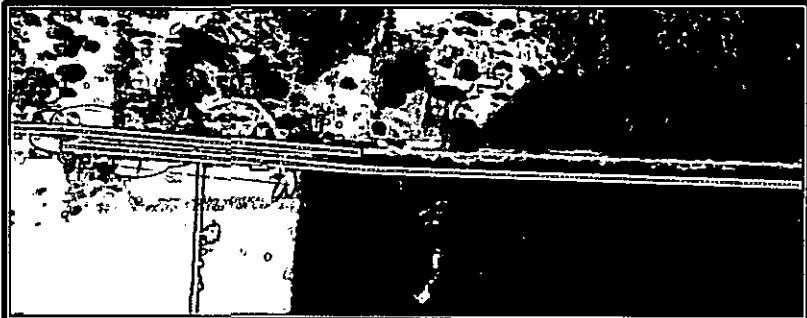
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$56,000,000  
**DHM Project Manager:** Gene Nobles, PE  
**Relevance to this project:**  
 Environmental – Wetlands Permitting  
 Road Construction  
 Project Management  
 State Agency



TYPICAL SECTION  
SR 79

Above: Typical section of the SR 79 multilane reconstruction project.  
 Left: While trying to utilize the existing roadbed as a cost savings measure, a crossover was required to avoid a residence and additional right-of-way acquisition costs.



**Project Description:**

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME <b>David H. Melvin, Inc. Consulting Engineers</b>	(2) FIRM LOCATION (City and State) <b>Marianna, FL Tallahassee, FL</b>	(3) ROLE <b>Roadway Design, Drainage Design, Structural Design, Environmental Permitting, Public Awareness</b>
<b>b.</b>	(1) FIRM NAME <b>EGS, Inc</b>	(2) FIRM LOCATION (City and State) <b>Tallahassee, FL</b>	(3) ROLE <b>Geotechnical Investigation</b>
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <p style="text-align: center;"><b>SR 10 Signalization Project at Smith St.</b> Jackson County, Florida</p>	<b>22. YEAR COMPLETED</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;"> <b>PROFESSIONAL SERVICES</b> 2008         </td> <td style="width:50%; text-align: center;"> <b>CONSTRUCTION (if Applicable)</b> 2009         </td> </tr> </table>	<b>PROFESSIONAL SERVICES</b> 2008	<b>CONSTRUCTION (if Applicable)</b> 2009
<b>PROFESSIONAL SERVICES</b> 2008	<b>CONSTRUCTION (if Applicable)</b> 2009		

23. PROJECT OWNER'S INFORMATION		
<b>a. PROJECT OWNER</b> Florida Department of Transportation	<b>b. POINT OF CONTACT NAME</b> Tim Smith, PE Project Manager	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 850-638-2288

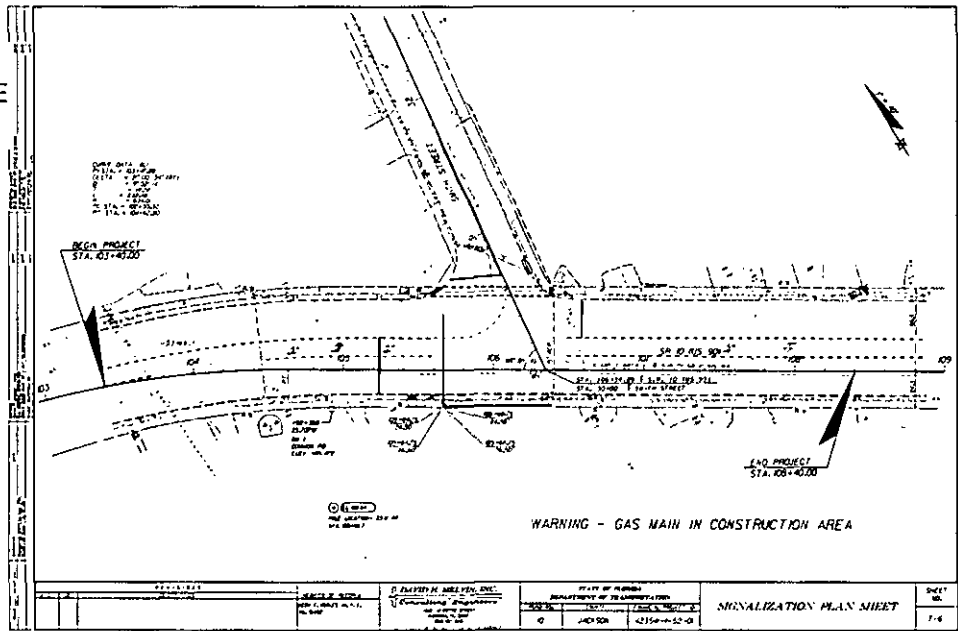
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$175,000

**DHM Project Managers:** Gene Nobles, PE  
Natacha Phillips, PE

**Relevance to SR 77 Project:**

- Signal Construction
- Pedestrian Consideration
- Utility Coordination
- Project Management
- Aggressive Design Schedule
- R/W Acquisition



**Project Description:**

The project consists of the installation of a traffic signal with pedestrian features at SR 10 and Smith Street in Marianna. The signal is supported by the use of mast arms. The design services included site survey, site design, utility coordination, right of way acquisition, and coordination with the local jurisdictions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b.	EGS, Inc	Tallahassee, FL	Geotechnical Investigation
c.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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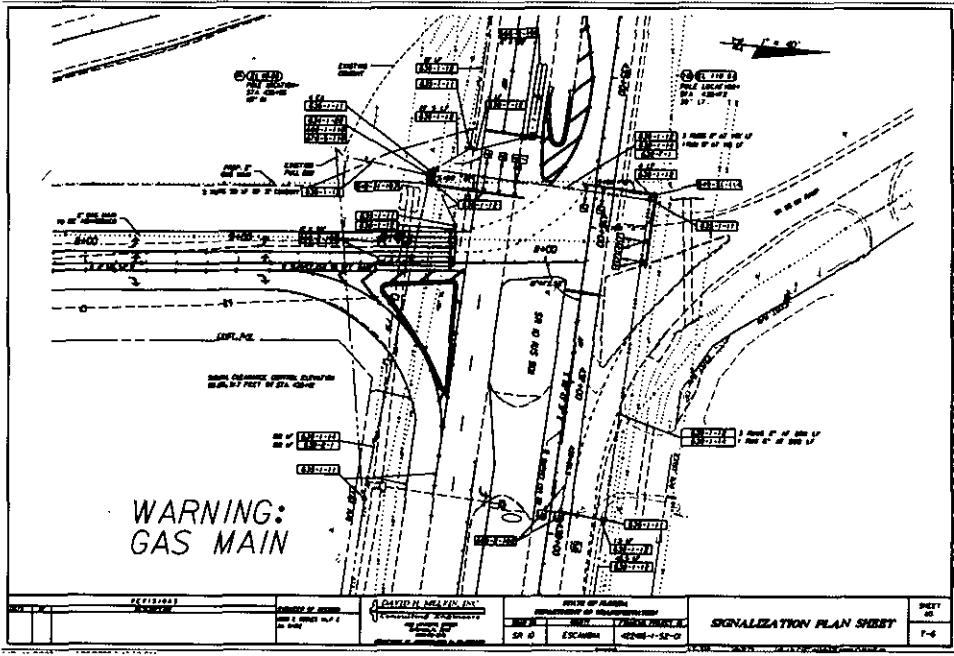
<b>21. TITLE AND LOCATION (City and State)</b> <p style="text-align: center;"><b>SR 10/SR 95 Turnlane and Signal Project</b> Escambia County, Florida</p>	<b>22. YEAR COMPLETED</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PROFESSIONAL SERVICES <b>2007</b></td> <td style="width:50%; text-align: center;">CONSTRUCTION (if Applicable) <b>2008</b></td> </tr> </table>	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>
PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>		

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Florida Department of Transportation</b>	b. POINT OF CONTACT NAME <b>Tim Smith, PE Project Manager</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>850-638-2288</b>

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$1,300,000

**DHM Project Managers:** Gene Nobles, PE  
Natacha Phillips, PE



- Relevance to SR 77 Project:**
- Turnlane Additions
  - Signal Construction
  - Utility Coordination
  - Project Management
  - Minor Drainage
  - Aggressive Design Schedule
  - Community Awareness
  - Similar Construction and MOT

**Project Description:**

The project consists of lengthening the existing northbound left turn lanes along the northbound off ramp and signalizing the intersection of SR 10. The signal will be supported by the use of mast arms. The signal was designed to be interconnected with the other signals along SR 10. There was also an addition of a left turnlane on SR 10. The design services included site survey, site design, drainage improvements, utility coordination, coordination with other design/construction projects, and coordination with the local jurisdictions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
	<b>David H. Melvin, Inc. Consulting Engineers</b>	<b>Marianna, FL Tallahassee, FL</b>
	<b>EGS, Inc</b>	<b>Tallahassee, FL</b>
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <p style="text-align: center;"><b>SR 71 Signalization Project at SR 166</b> Jackson County, Florida</p>	<b>22. YEAR COMPLETED</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PROFESSIONAL SERVICES <b>2007</b></td> <td style="width:50%; text-align: center;">CONSTRUCTION (if Applicable) <b>2008</b></td> </tr> </table>	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>
PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>		

23. PROJECT OWNER'S INFORMATION		
<b>a. PROJECT OWNER</b> <b>Florida Department of Transportation</b>	<b>b. POINT OF CONTACT NAME</b> <b>Tim Smith, PE Project Manager</b>	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> <b>850-638-2288</b>

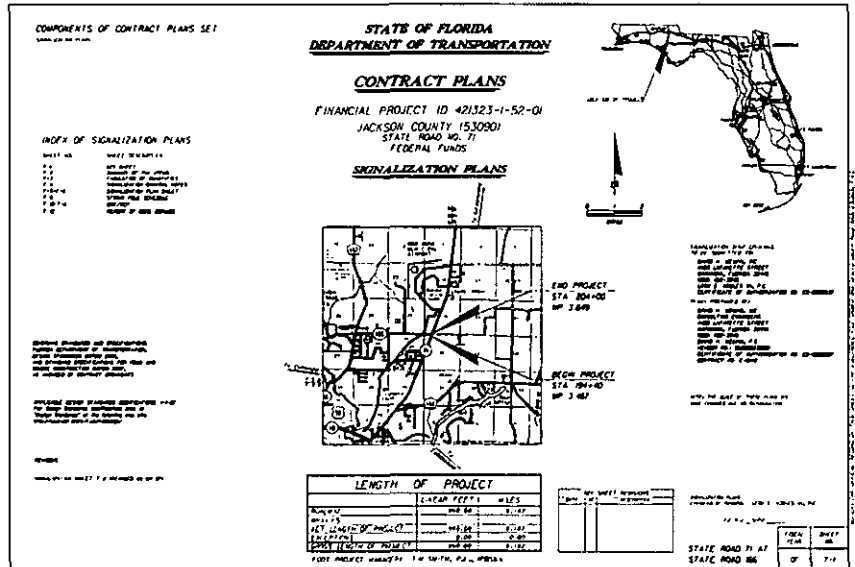
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$213,000

**DHM Project Managers:** Gene Nobles, PE  
Natacha Phillips, PE

**Relevance to SR 77 Signal and Turnlane Proj.:**

- Signal Construction
- Utility Coordination
- Project Management
- Aggressive Design Schedule



**Project Description:**

The project consists of signalizing the intersection of SR 71 at SR 166. The signal will be supported by the use of concrete strain poles. The design services included site survey, site design, utility coordination, development and implementation of a community awareness plan, and coordination with the local jurisdictions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
	EGS, Inc	Tallahassee, FL	Geotechnical Investigation
	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b><i>SR 73 Milling, Widening and Resurfacing</i></b> Calhoun County, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2006</b>	CONSTRUCTION (if Applicable) <b>2007-8</b>

23. PROJECT OWNER'S INFORMATION		
<b>a. PROJECT OWNER</b> Florida Department of Transportation	<b>b. POINT OF CONTACT NAME</b> Lisa Stone, PE Project Manager	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 850-638-0250

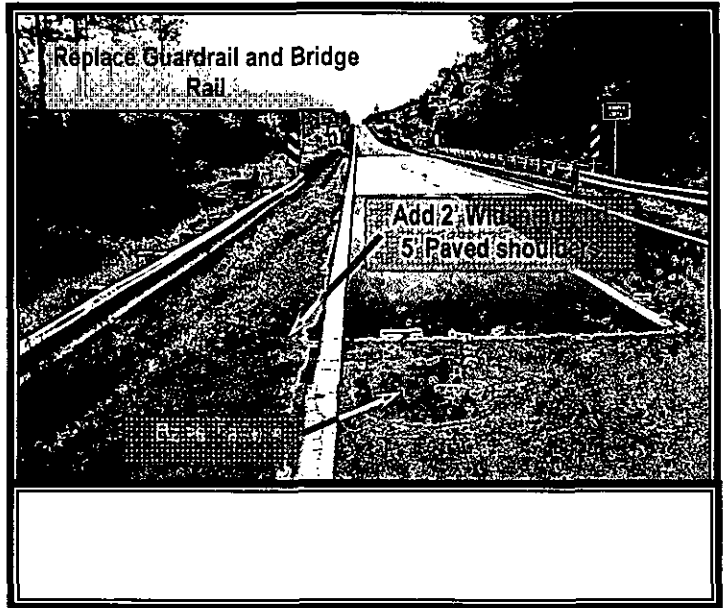
**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$9,400,000

**DHM Project Managers:** Gene Nobles, PE  
Rod Adams, PE

**Relevance to SR 77 Project:**

- Major Roadway Construction
- Utility Coordination
- Project Management
- Drainage Improvements
- Permitting



**Project Description:**

The project consisted of milling and resurfacing SR 73 from SR 71 to SR 20 in Calhoun County. The roadway was designed to be widened 2' on each side to provide 12' travel lanes and also the addition of 5' paved shoulders. There was extensive drainage improvements including sidedrains, crossdrains and bridge culvert extensions along the 16 mile project length. The existing Juniper Creek bridge was upgraded with three-beam upgrades to the barrier rails.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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

21. TITLE AND LOCATION <i>(City and State)</i> <b>SR75 (US231) – Project "Pellet"</b> Jackson County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>June 2006</b>	CONSTRUCTION (if Applicable) <b>July 2008</b>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Jackson County, Florida</b>	b. POINT OF CONTACT NAME <b>Larry Alvarez, P.E.</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(850) 482-9629</b>
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$6,163,000

**DHM Project Manager:** Gene Nobles, PE  
Natacha Phillips, PE  
Rod Adams, PE

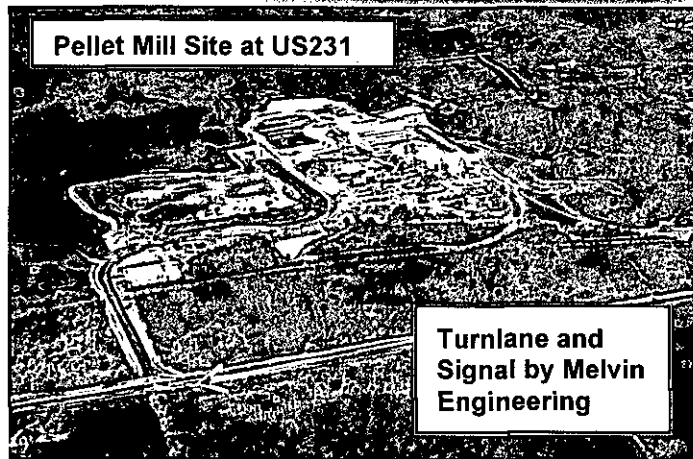
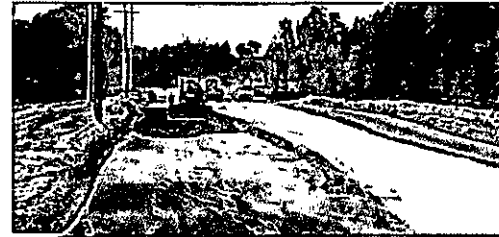
**Relevance to SR 77 Project:**

Turnlane Design and Construction  
Signal Design and Construction  
Environmental – Wetlands Permitting  
Construction Administration  
Grant Funding Administration

**Project Description:**

The project consisted of the construction of the necessary infrastructure to support the Green Circle Bio Energy Wood Pellet production facility.

- 3 mile Water and Wastewater System Extension
- New 4-Lane County Road "Green Circle Parkway"
- New 4-Lane Signalized Railroad Crossing
- New Signalized Intersection on US 231
- Topographic and Boundary Surveys
- 300,000 Gallon Ground Storage Water Tank
- 2,000 gpm Water Booster Pumping Station
- Water and Wastewater Telemetry Systems
- Utility Bores Under Railroad and Interstate
- New 20MW Electrical Substation & Power lines



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>David H. Melvin, Inc. Consulting Engineers</b>	<b>Marianna, FL Tallahassee, FL</b>	<b>Civil Design, Structural Design, Construction Inspection Const. Management, Environmental Permitting</b>
b.	<b>Snelgrove Surveying and Mapping, Inc.</b>	<b>Marianna, FL</b>	<b>Surveying</b>
c.			
d.			
e.			

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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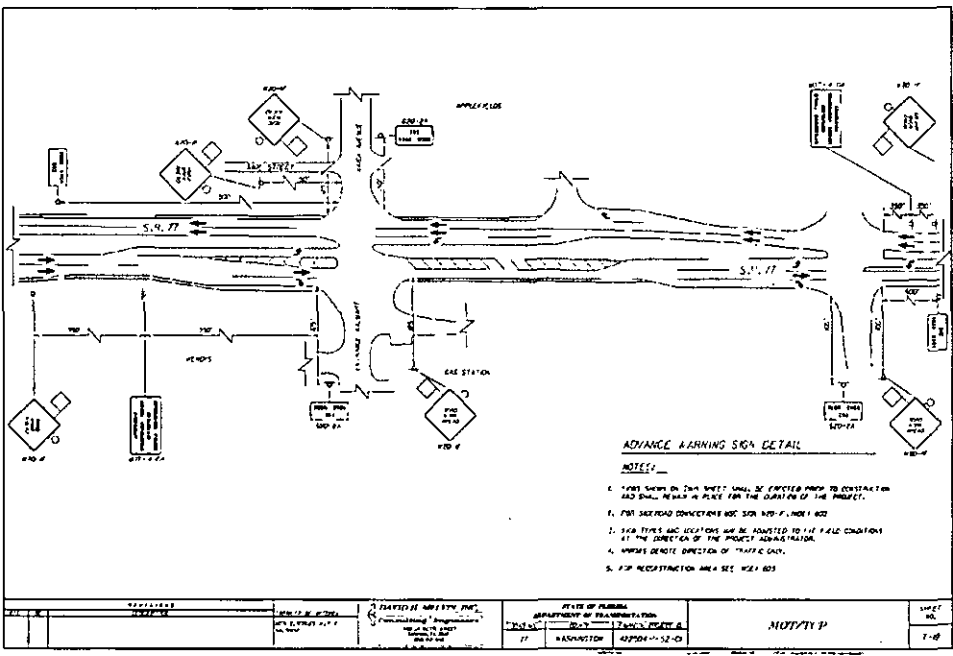
<b>21. TITLE AND LOCATION (City and State)</b> <p style="text-align: center;"><b>SR 77 Signal Addition at Nadia Ave.</b> Washington County, Florida</p>	<b>22. YEAR COMPLETED</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PROFESSIONAL SERVICES <b>2008</b></td> <td style="width:50%; text-align: center;">CONSTRUCTION (if Applicable) <b>2009</b></td> </tr> </table>	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION (if Applicable) <b>2009</b>
PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION (if Applicable) <b>2009</b>		

23. PROJECT OWNER'S INFORMATION		
<b>a. PROJECT OWNER</b> <b>Florida Department of Transportation</b>	<b>b. POINT OF CONTACT NAME</b> <b>Tim Smith, PE Project Manager</b>	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> <b>850-638-2288</b>

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost: \$423,000**

**DHM Project Managers: Gene Nobles, PE  
Natacha Phillips, PE**



**Relevance to SR 77 Project:**

Signal Design and Construction  
 Sidewalk Design and Construction  
 Utility Coordination  
 Project Management  
 R/W Acquisition  
 FDOT Grant Coordination

**Project Description:**

The project consists of signaling the intersection of SR 77 at the Wal-mart Entrance/Nadia Avenue. The signal will be supported by the use of concrete strain poles and interconnected with the traffic signal to the north on SR 77. Pedestrian signals will be utilized on all four approaches of the intersection. The Wal-mart entrance was evaluated for the need and designed for turnlanes. The design services included site survey, site design, utility coordination, and coordination with the local jurisdictions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b.	EGS, Inc	Tallahassee, FL	Geotechnical Investigation
c.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>SR 296 Sidewalk and Signal Project</b> Escambia County, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>

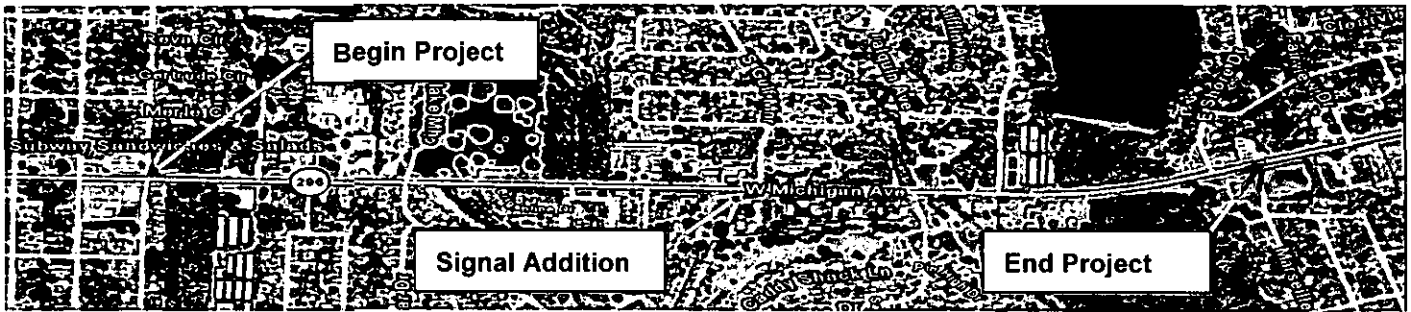
<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b>	<b>b. POINT OF CONTACT NAME</b> <b>Tim Smith, PE Project Manager</b>	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> <b>850-638-2288</b>

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**

**Construction Cost:** \$2,100,000

: Gene Nobles, PE  
Natacha Phillips, PE

**Relevance to SR 77 Project:**  
 Sidewalk Construction  
 Signal Construction  
 Utility Coordination  
 Project Management  
 Minor Drainage  
 Aggressive Design Schedule  
 Community Awareness



**Project Description:**

The project consists of designing a sidewalk on the south side of SR 296 (Michigan Ave.) and constructing a traffic signal with pedestrian features at South Gulf Manor Drive. The project length was 1.21 miles. The signal is supported by the use of mast arms. The design services included site survey, site design, utility coordination, a community awareness meeting, coordination with community organizations, and coordination with the local jurisdictions.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>a.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH 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

21. TITLE AND LOCATION (City and State) <b>Family Dollar / SR 276 Improvements</b> Jackson County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2004</b>	CONSTRUCTION (if Applicable) <b>2005</b>

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Jackson County</b>	b. POINT OF CONTACT NAME <b>Wendell Taylor, Co. Admin</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>Retired</b>

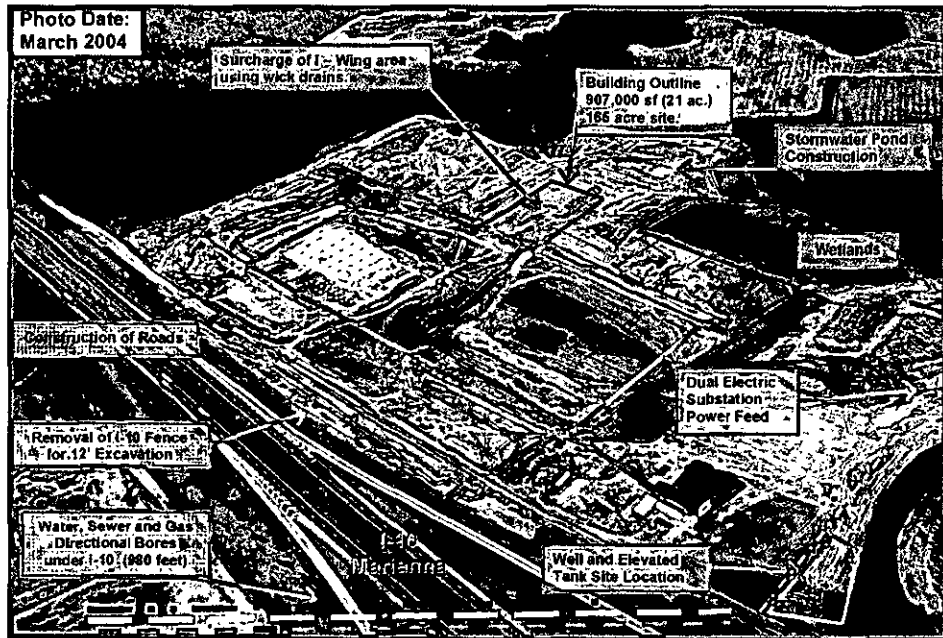
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

**Construction Cost:** \$3,200,000

**DHM Project Managers:** Gene Nobles, PE  
 Natacha Phillips, PE  
 Rod Adams, PE

**Relevance to SR 77 Project:**

- Turnlane Additions
- Utility Design and Coordination
- Project Management
- Aggressive Design Schedule
- R/W Acquisition
- FDOT Grant Coordination



**Project Description:**

The project consists of the design and construction of turnlane additions along SR 276 in Marianna adjacent south of Interstate 10 at Family Dollar Blvd and Commerce Drive intersections. The project also included an acceleration lane from SR 276 onto I-10 eastbound and the design of Family Dollar Blvd and Commerce Drive (new construction) for truck traffic. The design services included site survey, site design, utility extension design and coordination, right of way acquisition, and coordination with the local jurisdictions, and coordination with 7 funding agencies: FDOT, EDA, OTTED, Enterprise Florida, CDBG (2 grants), Jackson County and the City of Marianna.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	David H. Melvin, Inc. Consulting Engineers	Marianna, FL Tallahassee, FL	Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination
b.	EGS, Inc	Tallahassee, FL	Geotechnical Investigation
c.	Snelgrove Surveying & Mapping, Inc.	Marianna, FL	Design and R/W Survey
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>SR 166 Pedestrian Safety Improvements</b> Jackson County, Florida	<b>22. YEAR COMPLETED</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">           PROFESSIONAL SERVICES  <b>2007</b> </td> <td style="width:50%; text-align: center;">           CONSTRUCTION (if Applicable)  <b>2008</b> </td> </tr> </table>	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>
PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (if Applicable) <b>2008</b>		

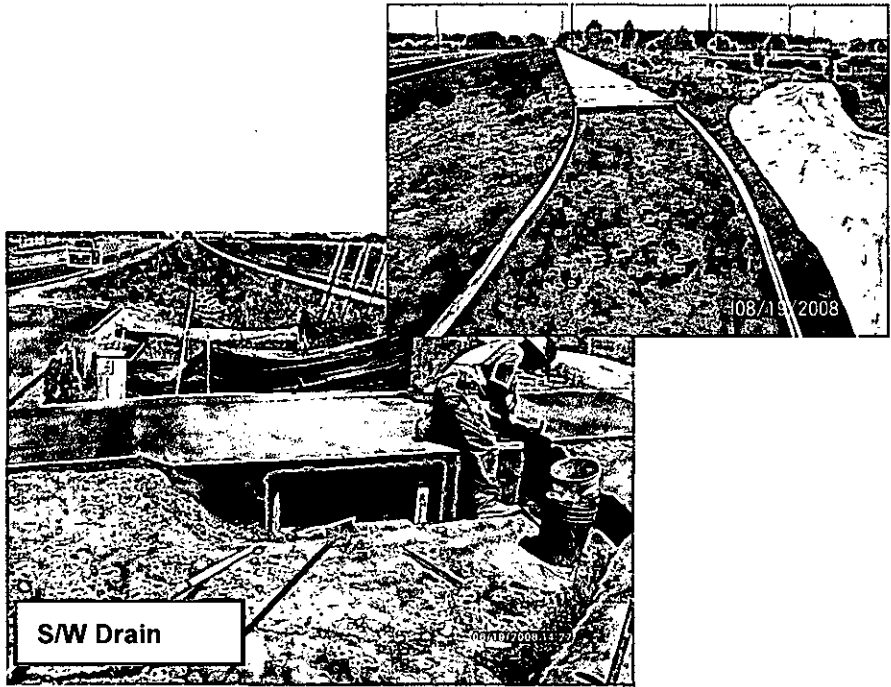
23. PROJECT OWNER'S INFORMATION		
<b>a. PROJECT OWNER</b> Jackson County	<b>b. POINT OF CONTACT NAME</b> Larry Alvarez, PE, County Eng.	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 850-482-9629

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT**  
**Construction Cost: \$372,000**

**DHM Project Managers:** Gene Nobles, PE  
 Natacha Phillips, PE

**Relevance to SR 77 Project:**

- Sidewalk Design and Construction
- Utility Coordination
- Project Management
- Project within a School Zone
- FDOT Grant Coordination



**Project Description:**

The project consists of constructing approximately 2,430 LF of 6 foot sidewalk along the South side of SR 166 from East of Marianna High School to a proposed crosswalk East of Old US Road and sidewalk along the north side of SR 166 from the proposed crosswalk to the easterly side of Federal Prison Road. This project was a LAP agreement between Jackson County and FDOT and connected the Marianna High School to the offsite athletic fields. Coordination with the designer, state and local government was a key part of this project. The design services included site survey, site design, utility coordination and construction inspection.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <b>David H. Melvin, Inc. Consulting Engineers</b>	(2) FIRM LOCATION (City and State) <b>Marianna, FL Tallahassee, FL</b>	(3) ROLE <b>Site Design, Signalization Design, Structural Design, Permitting, Utility Coordination, Survey</b>
b.	(1) FIRM NAME <b>EGS, Inc</b>	(2) FIRM LOCATION (City and State) <b>Tallahassee, FL</b>	(3) ROLE <b>Geotechnical Investigation</b>
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE