

Exhibit "A"  
Exhibit Aii

Response to Request for Proposal #23-572

# STRUCTURAL PROFESSIONAL ENGINEERING SERVICES FOR CRYSTAL LAKE PARK BOARDWALK

September 20, 2023



**Submitted by:**

**Madrid CPWG**

Contact: Larry Lackey, PE

Phone: 863-533-9007

[larry.lackey@madridcpwg.com](mailto:larry.lackey@madridcpwg.com)



**Submitted to:**

**Polk County Board of County  
Commissioners Procurement Division**

330 West Church Street, Room 150  
Bartow, Florida 33830



# AT THE READY.



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# TAB 1

## Executive Summary



## EXECUTIVE SUMMARY

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September 20, 2023

Polk County Procurement Division

330 West Church Street, Room 150

Bartow, Florida 33830



RE: Executive Summary (Tab 1)  
Request For Proposal 23-572  
Structural Professional Engineering Services for Crystal Lake Park Boardwalk

Dear Evaluation Committee Members,

Madrid Engineering Group d/b/a Madrid CPWG (Madrid), an award winning, local (Bartow-based), specialty engineering consultant, is enthusiastic about the opportunity to propose for RFP No. 23-572, Structural Professional Engineering Services for Crystal Lake Park Boardwalk. Our extremely well qualified staff has a long and successful history providing such services to numerous public sector clients throughout Florida (Polk County, City of Bartow, City of Lakeland, City of Plant City, City of Haines City, Orange County Public Schools, etc., etc.) with special emphasis on Polk County. Our company started as Madrid Engineering Group over 30 years ago and we've been in Polk County since day one. Our corporate office is located at 2030 State Road 60 East, in Bartow, Florida, 33830 and are honored to continue our excellent working relationship with our home County.

As you read through our response, you will find that we meet and exceed expectations and requirements for every scoring factor you have in this RFP. Our staff has completed more than 12,000 projects throughout Florida, but principally in Polk County. More specifically, we have previously worked on numerous Polk County projects (several directly under our current and recent contracts with Polk County, and others as a subcontractor to other engineering firms under their contracts with the County). Most of our projects in Polk County have included investigating soil conditions and providing foundation and site development recommendations along with construction recommendations and associated testing and inspection services. We were founded as a specialty Geotechnical Engineering company, which remains our primary area of expertise, but our company has grown right along with Polk County as we have significantly expanded our capabilities over the past decade to offer Structural Engineering, Civil engineering, Landscape Architecture, Transportation Planning, Environmental Services and Construction Materials Testing and Inspection Services.

Madrid CPWG is an innovative, energetic, responsive, knowledgeable, local firm with deep resources. We employ just under 50 full-time staff out of our headquarters in Bartow, and just under 90 employees when including our Tampa office. We have in-house certified soils and materials laboratories and have our own drilling (SPT)/coring/CPT rigs as well as both a barge and pontoon boat for working on water. You will find us listed as a specialty subconsultant to numerous other larger civil firms that may also work for Polk County on other contracts; however, if you have a need for our specialty services alone as a result of the tremendous current growth and future potential that Polk County has, you can work directly with us as we have been doing for many years. We believe that we have been providing excellent service on your projects (as shown on the attached surveys included herein) and we will continue to do so! We look forward to working with you to solve infrastructure and engineering problems – the more difficult, the more rewarding the outcome – and to carefully monitor the construction methods, materials, and personnel to assure conformance to the design. To specifically address Tab 1 Executive Summary from the RFP document:

- a) Madrid Engineering Group, Inc., 2030 State Road 60 East, Bartow, FL 33830.
- b) Primary Contact Person for this RFP: Larry Lackey, P.E. (Contract Manager), 941-875-4196, Larry.Lackey@madridcpwg.com
- c) 32 years in business
- d) Currently 47 full time employees at our Bartow facility (40 additional staff at our Tampa facility)
- e) See attached documentation regarding incorporation.
- f) See attached documentation regarding applicable certifications.

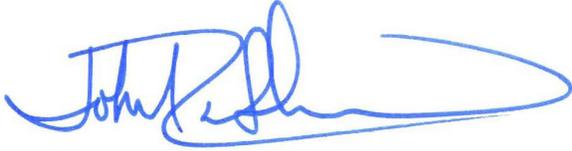


## EXECUTIVE SUMMARY

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Sincerely,

Madrid Engineering Group, Inc.



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John Delashaw, PE

Principal, Madrid Engineering Group

**EXECUTIVE SUMMARY**

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**Proposers Incorporation Information**

(Submittal Page)

The following section should be completed by all bidders and submitted with their bid submittal:

Company Name: Madrid Engineering Group  
 DBA/Fictitious Name (if applicable): Madrid CPWG  
 TIN #: 59-3156722  
 Address: 2030 E State Rd 60  
 City: Bartow  
 State: FL  
 Zip Code: 33830  
 County: Polk

Note: Company name must match legal name assigned to the TIN number. A current W9 should be submitted with your bid submittal.

Contact Person: John Delashaw  
 Phone Number: 813-533-9007  
 Cell Phone Number: \_\_\_\_\_  
 Email Address: John.Delashaw@madridcpwg.com

Type of Organization (select one type)

- Sole Proprietorship
- Partnership
- Non-Profit
- Sub Chapter
- Joint Venture
- Corporation
- LLC
- LLP
- Publicly Traded
- Employee Owned

State of Incorporation: Florida

The Successful firm must complete and submit this form prior to award. The Successful firm must invoice using the company name listed above.



# EXECUTIVE SUMMARY

## Vendor Directory

Search

[All Vendors](#)

### Results

[Export](#)

VENDOR	IS W/MBE <input type="checkbox"/>	VETERAN <input type="checkbox"/>	DISABLED VETERAN <input type="checkbox"/>
MADRID ENGINEERING GROUP	✓	✗	✗

Showing 1 to 1 of 1 results    Page Size: 20    < 1 >



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[Terms of Service](#)

# *State of Florida Department of State*

I certify from the records of this office that MADRID ENGINEERING GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on December 23, 1992.

The document number of this corporation is P92000014732.

I further certify that said corporation has paid all fees due this office through December 31, 2022, that its most recent annual report/uniform business report was filed on January 10, 2022, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Seventh day of March, 2022*



*Ronald R. Rios*  
Secretary of State

Tracking Number: 2411288610CU

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

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

EXECUTIVE SUMMARY

Ron DeSantis, Governor Melanie S. Griffin, Secretary




**STATE OF FLORIDA**

**BOARD OF PROFESSIONAL ENGINEERS**

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**DELASHAW, JOHN EDWARD**  
2030 STATE ROAD 60 EAST  
BARTOW FL 33830

**LICENSE NUMBER: PE48154**

**EXPIRATION DATE: FEBRUARY 28, 2025**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)



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Ron DeSantis, Governor Melanie S. Griffin, Secretary




**STATE OF FLORIDA**

**BOARD OF PROFESSIONAL ENGINEERS**

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**SPECIAL INSPECTOR NUMBER: 0216**

**JORDAN, LENNON DOUGLAS JR.**  
2030 STATE RD 60 E.  
BARTOW FL 33830

**LICENSE NUMBER: PE22407**

**EXPIRATION DATE: FEBRUARY 28, 2025**

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Ron DeSantis, Governor Melanie S. Griffin, Secretary




**STATE OF FLORIDA**

**BOARD OF PROFESSIONAL ENGINEERS**

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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**KNIAZEFF, ANDRE**  
326 FAIRWAY BLVD.  
PANAMA CITY BEACH FL 32407

**LICENSE NUMBER: PE81315**

**EXPIRATION DATE: FEBRUARY 28, 2025**

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Ron DeSantis, Governor Halsey Beshears, Secretary




**STATE OF FLORIDA**

**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**BOARD OF PROFESSIONAL GEOLOGISTS**

THE PROFESSIONAL GEOLOGIST HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

**GRAVES, MICHAEL ALLEN**  
AMERICAN COMPLIANCE TECH INC  
AMERICAN COMPLIANCE TECHNOLOGI  
1875 WEST MAIN STREET  
BARTOW FL 33830

**LICENSE NUMBER: PG51**

**EXPIRATION DATE: JULY 31, 2022**

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EXECUTIVE SUMMARY



Ron DeSantis, Governor



Melanie S. Griffin, Secretary

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL ENGINEERS**

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE  
 PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**TOLLESON, NANCY RENEE**  
 6708 GUILFORD CREST DRIVE  
 APOLLO BEACH FL 33572

**LICENSE NUMBER: PE84992**

**EXPIRATION DATE: FEBRUARY 28, 2025**

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**EXECUTIVE SUMMARY**

**Affidavit Certification Immigration Laws**

POLK COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY FIRM 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")}.

POLK COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY FIRM OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(E) OF THE INA. **SUCH VIOLATION OF THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN 274A(E) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY POLK COUNTY.**

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

Company Name: Madrid Engineering Group (d/b/a Madrid CPWG)

Signature: [Handwritten Signature]

Title: Principal

Date: Sept. 19, 2023

State of: Florida

County of: Polk

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization, this 19th day of September 23, 2023, by John Delashaw (name) as Principal (title of officer) of Madrid CPWG (entity name), on behalf of the company, who  is personally known to me or  has produced \_\_\_\_\_ as identification.

Notary Public Signature: [Handwritten Signature]

Printed Name of Notary Public: Krystal Baker

Notary Commission Number and Expiration: 04/07/2024

(AFFIX NOTARY SEAL)



EXECUTIVE SUMMARY

**EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY) CERTIFICATION**  
(Florida Statutes, Section 448.095)

PROJECT NAME: Structural Professional Engineering Services for Crystal Lake Park Boardwalk

The undersigned, as an authorized officer of the firm identified below (the "Firm"), having full knowledge of the statements contained herein, hereby certifies to Polk County, a political subdivision of the State of Florida (the "County"), by and on behalf of the Firm in accordance with the requirements of Section 448.095, Florida Statutes, as related to the contract entered into by and between the Firm and the County on or about the date hereof, whereby the Firm will provide labor, supplies, or services to the County in exchange for salary, wages, or other remuneration (the "Contract"), as follows:

1. Unless otherwise defined herein, terms used in this Certification which are defined in Section 448.095, Florida Statutes, as may be amended from time to time, shall have the meaning ascribed in said statute.

2. Pursuant to Section 448.095(5), Florida Statutes, the Firm, and any subcontractor under the Contract, must register with and use the E-Verify system to verify the work authorization status of all new employees of the Firm or subcontractor. The Firm acknowledges and agrees that (i) the County and the Firm may not enter into the Contract, and the Firm may not enter into any subcontracts thereunder, unless each party to the Contract, and each party to any subcontracts thereunder, registers with and uses the E-Verify system; and (ii) use of the U.S. Department of Homeland Security's E-Verify System and compliance with all other terms of this Certification and Section 448.095, Fla. Stat., is an express condition of the Contract, and the County may treat a failure to comply as a material breach of the Contract.

3. By entering into the Contract, the Firm becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Firm shall maintain a copy of such affidavit for the duration of the Contract. Failure to comply will lead to termination of the Contract, or if a subcontractor knowingly violates the statute or Section 448.09(1), Fla. Stat., the subcontract must be terminated immediately. If the Contract is terminated pursuant to Section 448.095, Fla. Stat., such termination is not a breach of contract and may not be considered as such. Any challenge to termination under this provision must be filed in the Tenth Judicial Circuit Court of Florida no later than 20 calendar days after the date of termination. If the Contract is terminated for a violation of Section 448.095, Fla. Stat., by the Firm, the Firm may not be awarded a public contract for a period of 1 year after the date of termination. The Firm shall be liable for any additional costs incurred by the County as a result of the termination of the Contract. Nothing in this Certification shall be construed to allow intentional discrimination of any class protected by law.

Executed this 19<sup>th</sup> day of September, 2023.

**ATTEST:**

By: *Ranay Richards*  
PRINTED NAME: Ranay Richards  
Its: HR/Admin Assistant

**FIRM:**

By: *John Delashaw*  
PRINTED NAME: John Delashaw  
Its: Principal



## EXECUTIVE SUMMARY

**EXHIBIT A  
CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION, PROPOSED  
DEBARMENT, AND OTHER RESPONSIBILITY MATTERS**

**For all awards, subawards, and contracts with certain parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in Federal assistance programs and activities, the Offeror must complete and sign the following:**

The Offeror certifies, to the best of its knowledge and belief, that-

- (1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the firm is required to verify that none of the firm, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- (2) The firm must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- (3) This certification is a material representation of fact relied upon by Polk County, a political subdivision of the State of Florida (the "County"). If it is later determined that the firm did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the Florida Division of Parks and Natural Resources, the County, and the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- (4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

SIGNATURE: \_\_\_\_\_


COMPANY NAME: Madrid CPWGDATE: Sept. 19, 2023

**EXECUTIVE SUMMARY**

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August 21, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA**

**ADDENDUM #1  
RFP 23-572 - Structural Professional Engineering Services for Crystal Lake  
Park Boardwalk**

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This addendum is issued to clarify, add to, revise and/or delete items of the RFP Documents for this work. This Addendum is a part of the RFP Documents and acknowledgment of its receipt should be noted on the Addendum.

---

Contained within this addendum: questions and answers

Danielle Rose  
Senior Procurement Analyst  
Procurement Division

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**This Addendum sheet should be signed and returned with your submittal. This is the only acknowledgment required.**

Signature: 

Printed Name: John Delashaw, PE

Title: Principal

Company: Madrid CPWG



## EXECUTIVE SUMMARY

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### RFP 23-572 - Structural Professional Engineering Services for Crystal Lake Park Boardwalk

#### *Addendum #1(Continued)*

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Question 1: Does the County have a finished grant application for the project available?

Answer: Attached you'll find amendment 1 to the Crystal Park Improvement memorandum of understanding between Housing and Neighborhood Development Office and Parks and Natural Resources in lieu of the grant application.

Question 2: Does the County have an estimated design fee for the project?

Answer: The actual agreement terms to include cost will be negotiated as part of the Selection Process, Elevation Level 4.

Question 3: Does this project currently have an estimated value, mobilization date, and completion date?

Answer: The estimated value of the Project is \$150,000, the mobilization date is March 1, 2024, and completion date is August 30, 2024.

**EXECUTIVE SUMMARY**

**AMENDMENT 1 TO THE  
CRYSTAL PARK IMPROVEMENT  
MEMORANDUM OF UNDERSTANDING**

THIS AMENDMENT (“Amendment”) is made and entered into this 2nd day of August, 2022, between the Housing and Neighborhood Development Office, and the Parks & Natural Resources Division.

RECITALS:

WHEREAS, the Parks & Natural Resources Division and the Housing and Neighborhood Development Office entered into that certain "Amended and Restated Crystal Lake Park Improvement Memorandum of Understanding" dated October 1, 2021(the "MOU"); and

WHEREAS, the County is contributing \$200,000.00 in federal funds made available through a Community Development Block Grant (CDBG). Program funds will be used to, but not limited to the repair and replace sections of 600 feet of boardwalk and supporting pilings, for an area recreational fishing facility as a community meeting place at Crystal Lake Park, and as such the federal administrators of the CDBG program require that a Memorandum of Understanding be entered into between the Housing and Neighborhood Development Office and Parks & Natural Resources Division; and

ACCORDINGLY, in consideration of the above Recitals and the benefits to be derived from the mutual observation of the covenants contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties, the parties agree as follows:

1. The term of this Memorandum of Understanding will be extended the contract deadline date to September 30, 2023, in efforts to complete the improvements at Crystal Lake Park.
2. All other items and conditions of the Memorandum of Understanding shall remain the same and in force.

The parties hereto have made and executed this Amendment 1 of the Memorandum of Understanding on the respective dates shown under each signature.

BY: Jennifer Cooper  
Jennifer Cooper, Manager

BY: Gaye Sharpe  
Gaye Sharpe, Director

Date: 08-03-2022

Date: 8/4/22



**EXECUTIVE SUMMARY**

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August 29, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 2  
RFP # 23-572, Structural Professional Engineering Services for Crystal Lake  
Park Boardwalk**

This addendum is issued to clarify, add to, revise and/or delete items of the RFP Document for this work. This Addendum is a part of the RFP Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Date Revisions and Questions & Answers

A **2<sup>nd</sup> Mandatory** pre-proposal meeting/ site visit will be held Thursday, September 7, 2023, 9:30 a.m. at Crystal Lake Park, located at 2500 North Crystal Lake Drive, Lakeland Florida (PIN: 24-28-21-239500-014010). An authorized representative or agent of the Proposer must be present at this meeting in person as evidenced by their signature on the meeting’s sign-in sheet, or the Proposers Proposal will be considered non-responsive. Any firm in attendance at the 1<sup>st</sup> meeting held on August 29, 2023, are not required to attend this meeting.

Revisions: Deadlines

Questions regarding this RFP has been extended one (1) week. The revised questions deadline is Tuesday, September 12, 2023, by 4:00 p.m.

The Bid Receiving Date has also been extended one (1) week. The revised Bid Receiving Date is Wednesday, September 20, 2023, prior to 2:00 p.m.

Danielle Rose  
Senior Procurement Analyst  
Procurement Division

This Addendum sheet should be signed and submitted with your bid submittal. This is the only acknowledgment required.

Signature:   
 Printed Name: John Delashaw, PE  
 Title: Principal  
 Company: Madrid CPWG



## EXECUTIVE SUMMARY

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### **RFP #23-572, Structural Professional Engineering Services for Crystal Lake Park Boardwalk Addendum # 2**

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Question 1: Who are the selection committee members for this RFP?

Answer: Tracy Mullins  
Kelly Carter  
Barbara Banks  
Bruce Edmund  
Sharon Mathis

Question 2: Do we know the date of the selection committee interviews at this time & will a presentation be required?

Answer: Interviews are tentatively scheduled for October 17, 2023, however this is subject to change. All selection committee meetings will be publicly noticed to include the official date/times selected for firms interviews. The format of said interviews will be decided during Elevation level 2 (Scoring Meeting).

Question 3: Are there any local, DBE or women & minority business enterprise (W/MBE) preference on this project?

Answer: No.

Question 4: Does the 138-day estimated agreement timeline include all permitting expectations or just the plans?

Answer: The 138 days includes both. The actual term will be negotiated as part of the Selection Process, Elevation Level 4.

Question 5: Will the firm be responsible for filling out the application for grant assistances when it comes to the future construction of said project?

Answer: No, that will be handled by the County.

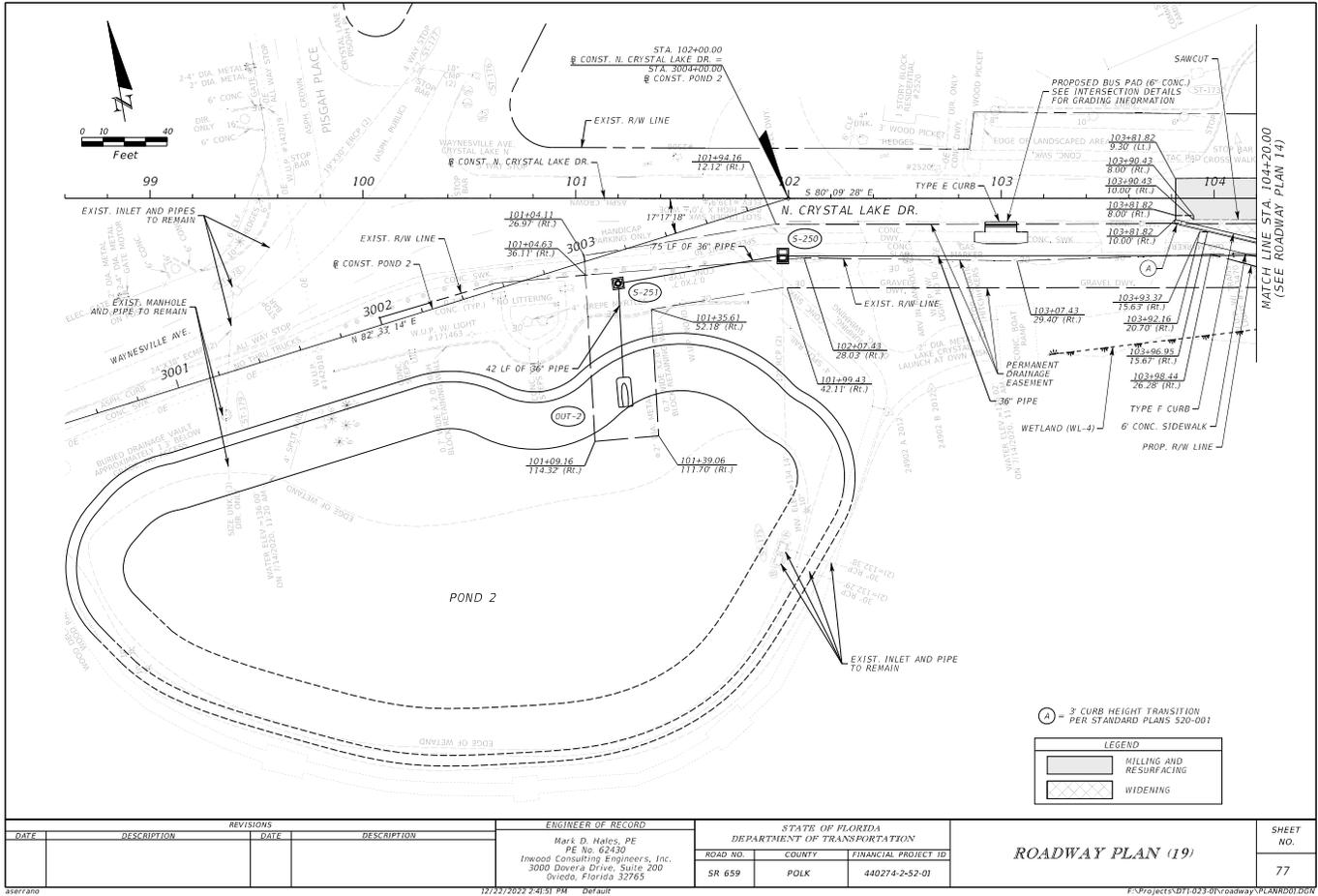
Question 6: Will the firm selected through this RFP process oversee the future construction of the Boardwalk?

Answer: The County doesn't guarantee any additional work beyond the scope of services provided within this RFP; however, it is a possibility the firm selected may be involved in some construction administration.

Question 7: Is there any topography surveys or geotechnical information in reference to this project that can be provided?

Answer: Yes, please see attached.

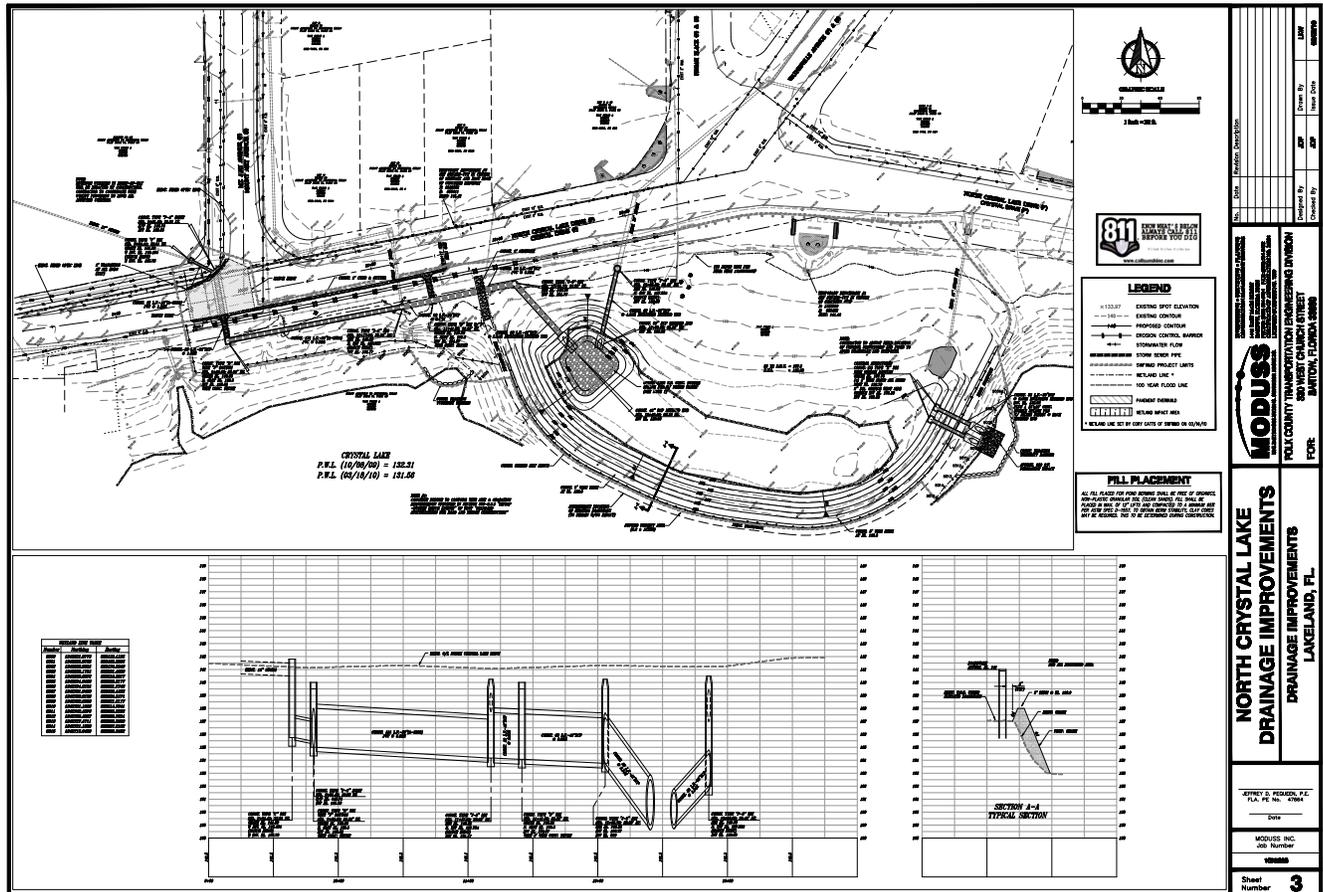
EXECUTIVE SUMMARY



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-22.004 - F.A.C.



EXECUTIVE SUMMARY



**EXECUTIVE SUMMARY**

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September 13, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA**

**ADDENDUM #3**

**RFP 23-572 - Structural Professional Engineering Services for Crystal Lake Park Boardwalk**

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This addendum is issued to clarify, add to, revise and/or delete items of the RFP Documents for this work. This Addendum is a part of the RFP Documents and acknowledgment of its receipt should be noted on the Addendum.

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Contained within this addendum: questions and answers

Danielle Rose  
Senior Procurement Analyst  
Procurement Division

---

**This Addendum sheet should be signed and returned with your submittal. This is the only acknowledgment required.**

---

Signature: 

Printed Name: John Delashaw, PE

Title: Principal

Company: Madrid CPWG



## EXECUTIVE SUMMARY

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### **RFP 23-572 - Structural Professional Engineering Services for Crystal Lake Park Boardwalk**

*Addendum #3(Continued)*

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Question 1: Can you please provide a list of the vendors who attended the first & second mandatory preproposal meeting?

Answer: DRMP  
Madrid CPWG  
Conсор Engineering

Questions: Is it a limit on the size of files that can be submitted through the County's electronically submittal system Kiteworks?

Answer: Kiteworks allows up to 10GB in size.

**EXECUTIVE SUMMARY**

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September 20, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 4  
RFP # 23-572, Structural Professional Engineering Services for Crystal Lake  
Park Boardwalk**

This addendum is issued to clarify, add to, revise and/or delete items of the RFP Document for this work. This Addendum is a part of the RFP Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Date Revisions

Revisions: Deadlines

The Bid Receiving Date has been extended one (1) week. The revised Bid Receiving Date is Wednesday, September 27, 2023, prior to 2:00 p.m.

Danielle Rose  
Senior Procurement Analyst  
Procurement Division

This Addendum sheet should be signed and submitted with your bid submittal. This is the only acknowledgment required.

Signature:   
Printed Name: John Delashaw  
Title: Principal  
Company: Madrid Engineering Group



# TAB 2

## Approach to the Project



## APPROACH TO THE PROJECT

Madrid CPWG brings over 30 years of engineering experience to effectively respond to and manage the rehabilitation for the Crystal Lake Park boardwalk project. Our team's deep understanding of Polk County's diverse growth and extensive experience uniquely position us to deliver exceptional results. We offer a comprehensive, quality-focused approach that encompasses geotechnical engineering, construction materials testing, and innovative problem-solving.

At Madrid CPWG, we approach the Crystal Lake Park Boardwalk project with a commitment to delivering comprehensive, innovative, and high-quality engineering services. Our experienced team of structural and geotechnical engineers, civil engineers, geologists, certified field inspectors and certified laboratory technicians will collaborate to assess the boardwalk's condition, identify structural issues, propose effective solutions, and ensure a successful project outcome.

Our approach begins with understanding project objectives and potential challenges. We value open communication and work closely with County staff to ensure all requirements are met. Our Project Manager (Larry Lackey), supported by a dedicated team, serves as a single point of contact, facilitating seamless interaction and efficient progress.

### Value Engineering and Solutions

Madrid CPWG embraces value engineering, identifying multiple solutions for each project. We evaluate pros and cons to recommend the highest value solution to the County, while always remaining fiscally conscious. For instance, for this project we are looking closely at the possibility of recommending recycled

lumber for the boardwalk decking. Our experience includes implementing innovative techniques such as mechanically stabilized soils, embankments, soil improvement, deep dynamic compaction, and geofoam, providing cost-effective options to solve complex challenges. We have successfully completed numerous similar projects, including boardwalk rehabilitations and seawall repairs, and are currently managing the rehabilitation of the Peterson Park Boardwalk for the City of Lakeland.

Madrid CPWG's deep-rooted expertise, innovative solutions, and commitment to quality ensure the success of the Crystal Lake Park boardwalk project. Our ability to seamlessly integrate civil engineering, geotechnical engineering, structural engineering and construction materials testing makes us a reliable partner for the County. Trust us to deliver exceptional results, meet deadlines, and address challenges with efficiency and professionalism.

### Expertise and Methodology

Our team's expertise in geotechnical engineering, structural engineering, civil engineering and material testing uniquely positions us to conduct a thorough examination. We will utilize a multi-step methodology that includes:

1. Site Assessment: We'll conduct a detailed site reconnaissance, inspecting the boardwalk and meeting with relevant stakeholders to gather vital information.
2. Data Collection: Our team will review historical aerials, topographic surveys, soil surveys, and geologic maps to understand the site's context and potential challenges.



## APPROACH TO THE PROJECT

3. **Field Investigations:** Our in-house drilling team will execute Standard Penetration Test (SPT) and/or manual corings as needed to assess soil conditions beneath the boardwalk and collect materials (as needed) for further laboratory evaluation. Our firm boasts a full-service geotechnical engineering team equipped to address all project needs. With licensed professionals and experienced engineers, we offer a comprehensive range of geotechnical services. We specialize in assessing subsurface conditions, quantifying soil and rock behavior, and delivering accurate and insightful recommendations. We have honed our project scheduling and management techniques to ensure tasks are completed on time and within budget.
4. **Laboratory Testing:** Samples collected will undergo rigorous testing in our certified soils and materials laboratories, enabling us to assess the material properties accurately. Madrid CPWG extends its expertise to construction materials testing and inspection. Our certified personnel and specialized equipment enable comprehensive testing of asphalt, aggregates, concrete, soils, foundations, and more. Our commitment to quality assurance includes internal awareness training for all staff, ensuring consistent, reliable results.
5. **Structural Analysis:** Our engineers will perform a comprehensive structural analysis, evaluating load-bearing capacity, stability, and integrity. We will remain mindful of existing elements at the site that can be reused without sacrificing project quality, and will remain cost-conscious for all replacement / rehabilitation recommendations.
6. **Recommendations and Solutions:** Using a data-driven approach, we'll develop practical repair and/or replacement recommendations while ensuring compliance with relevant standards and regulations and maintaining a high quality for the finished product. Madrid CPWG's innovative solutions set us apart. We offer unique methods like chemical stabilization using proprietary mixes like Phosphocrete™ and the application of geofoam for soil improvement. Our expertise with CONSOLID soil stabilization additive and unique materials enables us to transform challenging sites into successful projects.
7. **Quality Assurance/Quality Control:** Our QMS will be applied throughout the project to maintain consistency and accuracy in our assessments and recommendations. Quality is at the

core of our services. For each contract, we designate a QA/QC Manager, while each discipline involved in the project also maintains a discipline specific QC Manager, ensuring that each project adheres to rigorous standards. Our QA/QC process spans the entire project timeline, from inception to completion, resulting in sound decisions, enhanced efficiency, and exceptional client satisfaction.

### Innovative Approach

We pride ourselves on employing innovative techniques such as geofoam, rigid inclusions, and lightweight fills when applicable, and we'll tailor these solutions to the unique challenges of the Crystal Lake Park boardwalk. Our experience in construction over waste phosphatic clays and challenging environments further demonstrates our adaptability and innovative thinking.

### Quality Assurance/Quality Control

Madrid CPWG's robust Quality Assurance/Quality Control program ensures the accuracy and reliability of our findings. All field and laboratory testing results are reviewed and our laboratory procedures, equipment and personnel are vetted annually as part of our re-certification process. Additionally, our Project Manager will oversee the entire process, assuring that procedures are followed meticulously and that we maintain clear communication with our clients.

### Deliverables:

Our key milestones and deliverables include:

- Site assessment and reconnaissance report which will include field investigation findings and soil testing results.
- Comprehensive structural analysis report.
- Repair and replacement recommendations, including innovative solutions.
- Quality Assurance/Quality Control documentation.
- Final presentation to the client.

Madrid CPWG's approach to the Crystal Lake Park boardwalk project is characterized by expertise, innovation, quality assurance, and a well-structured timeline. Our team's dedication to excellence ensures that our findings and recommendations will provide a strong foundation for the safety and longevity of this vital community asset.

## APPROACH TO THE PROJECT



### STRUCTURAL ENGINEERING

Madrid CPWG has extensive experience in the forensic evaluation of existing structures of all framing types to assess their current condition and performance state. This evaluation includes member sizes, deterioration, loss of section, connections, possibilities for repair/rehabilitation/replacement and other factors. The evaluation also considers application of current building codes, accessibility codes, and appropriate modifications as necessary to adapt the structure's existing use to planned future uses. More specifically, Madrid CPWG structural staff assigned to this project have been responsible for alignment selection, designing, permitting, CEI, and damage evaluations for literally thousands of feet of boardwalk that traversed various systems from marsh/estuarine to open water at such locations as Mosaic Park on the Peace River east of Homeland for Polk County Natural Resources; and have years of experience designing or conducting structural analysis on buildings, pilings, bridges, marinas, seawalls, retaining walls, reinforced concrete box culverts, sign structures, signal structures and other similar structures. Madrid CPWG structural engineers can design a new structure, provide condition assessments, perform structural analysis, as well as evaluate and apply sustainable design features to your existing structures; and are eager to provide their expertise to Polk County for the Crystal Lake Boardwalk Rehabilitation project.

### GEOTECHNICAL ENGINEERING

Madrid CPWG is a full-service geotechnical engineering firm. Madrid will complete any and all geotechnical engineering needs for the scope items envisioned under this project. John Delashaw, PE will serve as QC Manager for all geotechnical tasks under this project but also as an important technical resource. Andre Kniazeffl, PE is the Geotechnical Services Area Lead and will either serve as or assign a geotechnical project manager for task completion, based on the challenges of the

job versus the experience, technical capabilities and availability of the various PM's. Our project managers include professional engineers and geologists, all licensed in the State of Florida. Although each discipline includes a specific project manager that will be readily available to communicate with task personnel, County staff are encouraged to communicate directly with overall Project Manager, Mr. Larry Lackey, if a single point of contact is preferred. Madrid's management structure as described above ensures the accessibility to key personnel, which results in speed, efficiency, and seamless transitions between project milestones.

Madrid CPWG has the personnel, equipment, expertise, location and internal quality control procedures to ensure all of the services listed in the RFP are met with the reporting and recommendations required for the completion of a successful project. Our office, field and laboratory personnel are licensed and certified as appropriate; this along with their added multiple years of experience and "can-do" attitude provides the necessary components for a successful project. Madrid's personnel have gained extensive experience evaluating subsurface site conditions and reliably quantifying soil and rock behavior particular to the Polk County geographic area, including expertise in dealing with mined lands, wetlands, organic deposits, sandy soils, and sinkholes. We are experienced in designing and implementing a wide range of field investigation programs from roads, bridges, utilities, buildings and other infrastructure projects. Madrid has an internal project scheduling and task management methodology that allows the PM to break down projects into small tasks and assign specific schedules and budgets to the employee completing that task. This allows the employee the ability to ensure their particular task is completed within the specified budget and schedule which helps keep the overall project on track as well.

### CIVIL ENGINEERING

Madrid CPWG has a proven record of furnishing quality and cost efficient professional civil engineering services to municipalities throughout the state of Florida under the Consultants Competitive Negotiations Act (CCNA). We have the experience and are prepared for any specific challenges that arise from high water tables, how flat the topography is and the other Florida specific challenges that must be overcome.

Our previous continuing engineering projects have included roadway rehabilitation and reconstruction, sidewalk and curb construction, parks and trails improvements, utility coordination, potable water and wastewater design, structural analysis and

## APPROACH TO THE PROJECT

bridge design, GIS programming, local agency program projects, construction engineering and inspection, and permitting.

The Madrid CPWG engineers excel in all aspects of site design. We have designed hundreds of sites including feasibility studies, grading design, erosion controls, stormwater controls, utility layout, lighting design, storm water management, water distribution and sewer collection, landscape design, construction specifications, and other on-site engineering concerns. We will handle all aspects of this project, including but not limited to: design and coordination, management of regulatory permits and approvals, development of Engineer's estimates, preparation of construction documents, and provide construction oversight and management to ensure your project runs smoothly and efficiently.



The Madrid CPWG engineers consistently deliver design projects that include executable plans, all required permits, bid specifications, and construction administration. Our planners conduct timeline sensitive plan review and are ready to provide additional services required to solve unforeseen problems.

### CONSTRUCTION MATERIALS TESTING (CMT) AND INSPECTION:

Madrid will provide ACI-, CTQP-, and CMEC- certified, and FDOT-approved Construction Inspection personnel and materials testing services for asphalt, aggregates, concrete, soils, deep foundations, geotextiles and more, and as needed for this project. Similar to the structure for geotechnical assignments, Jason McSwain is the Construction Services Area Lead and as task assignments are received Mr. McSwain will either serve as or assign a Project Manager (PM) for each assignment, based on the challenges of the job versus the experience, technical capabilities and availability of the various PM's and technicians. Madrid employs unique solutions, including a specialized and versatile, truck-mounted, coring rig developed to quickly obtain asphalt or concrete paving core samples; and maintains full-service Maintenance of Traffic (MOT) capabilities, including attenuator vehicles, to meet the needs of any assigned project. Madrid's field and laboratory testing personnel submit all of their reports to a central location for QA/QC and also for checking against submitted timesheets to ensure that all of the project

records are both correct and consistent across the various reports. This asset gives the County access to a department capable of delivering a complete set of construction materials testing (CMT) and construction engineering inspection (CEI) services at a single point of contact. Madrid uses its own forms for the various services and testing we perform but, when required, Madrid staff are also used to using specific client required reporting forms if needed. Madrid's field and laboratory personnel are also experienced at working with, scheduling, coordinating testing programs, and communicating with commercial contractors and has working relationships with most of the local contractors. We can staff projects on an on-call basis, facilitating smaller jobs, as well as providing full-time inspectors, quality control managers, and senior projects engineers, for larger projects. Madrid understands that on-call inspection and testing services require prompt response times and flexibility to meet the demanding schedules of today's construction projects

### QUALITY ASSURANCE / QUALITY CONTROL (QA/QC):

We understand that Quality Control is very important to our clients. Our designated QA/QC Manager for this project, Mr. Dan Hart, will be in responsible charge of Quality Assurance/Quality Control of the overall project; however, as described above, each internal discipline required for this project also maintains a QC manager to ensure the quality for the tasks assigned to that division. Our QA/QC process begins with developing a clear understanding of the scope of work, client expectations, and required level of effort. QA/QC must be performed throughout the project and when performed effectively, early, and continually throughout a project it results in good decisions being made at the right time with an overall increase in efficiency, quality, and client satisfaction. When necessary by specific project requirements, we also adhere to project specific Quality Control Plans as provided by various clients and/or developed by Madrid.

### Quality Assurance Processes

Madrid prioritizes quality in our professional services. We offer comprehensive internal training to staff, ensuring they understand project requirements regardless of their roles. Our diverse client base, including attorneys for forensic investigations and expert testimony, gives us a strong understanding of information needs and post-report use. Since our founding, Madrid has adhered to strict quality principles in material acquisition and lab testing. Over time, we've established a robust quality assurance process to ensure our reports are technically correct and of the highest quality.

# TAB 3

Experience, Expertise, Personnel and Technical Resources



## EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES

### Assigned Personnel and Experience

Madrid has assembled a highly qualified, highly experienced team of professionals and technical support staff to provide the services required for this project. Below we present a brief summary and role for the key staff selected for this project (those staff whose role is in *blue text* have resumes included herein).

#### Senior Management Staff

#### Lennon Jordan, PE Chief Structural Engineer

Mr. Jordan has extensive experience in the fields of civil and structural engineering, analysis and design, construction administration, and quality assurance. He will serve as *Structural Service Area Lead* and *Threshold Inspector* as needed for this contract. Mr. Jordan's primary experience includes project management, program management and technical direction of multi-disciplined engineering projects for numerous public and private sector clients. He is also a Certified Special Inspector (threshold inspector) and a Certified General Contractor (Contractor's license status inactive but he maintains current continuing education so that license can be activated at any time). Much of his significant engineering experience has been gained from directing civil engineering and planning projects that include transportation corridor studies, roadway design, bridge design, site design, structural design, park and recreation facilities, water resources, utility systems, landfills, and similar projects. Other project experience includes construction management, construction engineering and inspection (CEI), forensic investigations, eminent domain, construction claims, product liability, design errors and omissions, and others. Predominant project experience includes projects throughout the state of Florida but his work extends to South Korea, Puerto Rico, New Mexico, Montana, Louisiana, New Jersey, West Virginia, Virgin Islands, and other project locations. Mr. Jordan would be able to devote about 20% of his time to the needs of the County.



#### Larry Lackey, PE Project/Contract Manager

Mr. Lackey currently serves as a Civil Engineer of the firm. Mr. Lackey will be the overall *Contract Manager* and *Lead Technical Advisor* for civil projects as well as for structural services as needed throughout this contract. His primary experience includes project management and technical direction of many engineering projects, structural investigations, and analyses for numerous public and private sector clients. He is responsible for staffing and resource management and reviewing engineering evaluations.. Much of his over 30 years of engineering experience has been gained from working on projects in the areas of: dam design and evaluation; shallow and deep foundation systems; earthworks and site development; soil improvement techniques; sinkhole investigations, evaluation and stabilization; roadway soil surveys; pavement design; and various pipeline projects, including the use of trenchless construction technologies. Other project experience includes management of Quality Assurance/Quality Control activities, resolution of construction issues associated with geotechnical-related challenges, civil and stormwater design, and surface water hydrology. Predominant project experience includes projects throughout the state of Florida.



#### Steve Tarte

#### Madrid Chief Executive Officer

Mr. Tarte has more than 20 years of managerial experience in the consulting engineering field and over a wide range of projects. He has developed and managed projects with municipal, state and federal agencies, as well as private corporations. As Madrid's Chief Executive Officer, Mr. Tarte will provide a *Senior QA/QC* role to this contract and provide recommendations and work product support as needed throughout the contract duration. Mr. Tarte has managed projects and personnel in over fifteen states with public agencies such as The Army Corps of Engineers Districts (St. Paul, St. Louis, Rock Island, Vicksburg, New Orleans, Jacksonville, and the Waterways Experiment Station), the Fish and Wildlife Service, National Park Service and the US



## EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES

Geological Survey. Clients in state agencies include the Florida Department of Environmental Protection, the South Florida Water Management District, the St. Johns River Water Management District, the Illinois Department of Transportation, the Chicago Metropolitan Reclamation District, the Florida Department of Transportation and the State Engineers Office of New Mexico. Municipal agencies include The City of Tallahassee, St. Pete Beach, Orlando and Maitland, Hillsborough, Orange, Seminole, Leon and Lake Counties. Mr. Tarte has also participated in numerous Value Engineering exercises. Mr. Tarte would be able to devote about 15% of his time to the needs of the County.

### John Delashaw, PE Principal Engineer

Mr. Delashaw currently serves as a Principal of the firm, overseeing the four GeoSciences Divisions (Geo-Engineering, CMT/CEI, Drilling and Forensics) that operate out of the Bartow and is the project principal and/or technical lead for many geotechnical projects performed by Madrid. Mr. Delashaw will be the overall **Lead Technical Advisor** for geotechnical projects as well as for CMT services as needed throughout this contract. His primary experience includes project management and technical direction of geotechnical engineering projects, geotechnical field investigations, and analyses for numerous public and private sector clients. He is responsible for staffing and resource management and reviewing engineering evaluations for geotechnical investigations, including subsidence investigations. He has provided expert witness testimony on forensic projects as needed and has been in responsible charge of numerous soil stabilization projects. Much of his over 33 years of geotechnical engineering experience has been gained from working on projects in the areas of: dam design and evaluation; shallow and deep foundation systems; earthworks and site development; soil improvement techniques; sinkhole investigations, evaluation and stabilization; roadway soil surveys; pavement design; and various pipeline projects, including the use of trenchless construction technologies. Other project experience includes management of Quality Assurance/Quality Control activities, resolution of construction issues associated with geotechnical-related challenges, civil and stormwater design, and surface water hydrology. Predominant project experience includes projects throughout the state of Florida but he has worked on projects in Guam, Puerto Rico, Hawaii, California, Utah, and Mississippi. Mr. Delashaw would be able to devote 20% of his time to the needs of the County.



### Nancy Tolleson, PE Civil Engineer

Nancy Tolleson brings an impressive 9-year track record in civil and structural engineering, project management, and engineering management to her career. Her expertise spans a wide spectrum, encompassing airfield and roadway pavement design, site development, utility design, stormwater management, environmental considerations, and steel structure design. With a strong project portfolio, Nancy's notable experiences include her role as Project Engineer for the Holly Avenue and Graves Avenue Septic to Sewer Project in Orange City, FL. Here, she orchestrated the complete design and permitting of two duplex Lift Stations, complying with rigorous FDEP, 10-State Standards, and Orange City criteria. Ms. Tolleson will be the **Civil Engineer** for all projects. Nancy Tolleson's diverse skill set and project management proficiency underscore her as a valuable asset in the field of civil and structural engineering.



### Geotechnical Services Staff

### Andre Kniazeff, PE Chief Geotechnical Engineer

Mr. Kniazeff's primary experience includes project management and technical direction of geotechnical engineering projects, geotechnical field investigations, materials testing, and environmental projects for numerous public and private sector clients. Mr. Kniazeff will serve as **Geotechnical Service Area Lead** for this contract. Much of his geotechnical engineering experience was gained from planning and coordinating subsurface explorations and laboratory testing programs, deep and shallow foundation system design, roadway design recommendations, earthwork projects and sinkhole investigations. Mr. Kniazeff excels at maintaining project budgets, timelines, overseeing project managers and field crews and client communications. Additional project experience includes soil improvement techniques, design of retaining walls including MSE walls, pipelines, new commercial, residential and industrial projects, stormwater pond recommendations and monitoring well installations. Project experience includes projects throughout Florida. Mr. Kniazeff would be able to devote 35% of his time to the needs of the County.



**EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES**

**Brett Arenas**

**Drilling Services Manager**

During his 37-year career, Mr. Arenas has worked on many challenging geotechnical drilling projects throughout the country as well as in the state of Florida. Mr. Arenas will serve as **Geotechnical Field Operations Manager** for this contract. Mr. Arenas currently serves as the Madrid CPWG Drilling department head and leads most of the company's drilling projects. Much of his geotechnical and environmental drilling experience comes from performing geotechnical field investigation and testing for site development, evaluation, stabilization, roadway, bridges, and other infrastructure projects, as well as environmental impact studies for plume delineation and contaminant cleanup through the installation of water wells and exploratory borings. Mr. Arenas has worked on FDOT and other agency projects throughout Florida, drilling from barges, through bridge decks and difficult access projects. Brett Arenas has established an important role with Madrid Engineering because of his experience in the geotechnical industry and, by sharing his knowledge, has trained our drillers so that Madrid can continue to offer superior quality of field testing that has been given to our clients throughout the years. Mr. Arenas would be able to devote 20% of his time to the needs of the County.



contract management, resource allocation and a significant variety of computer software including Computer Aided Design (CAD) programs. His duties also include marketing and business development as well as project management for FDOT contracts. His staff of well-certified and highly experienced inspectors and technicians are well-trained in monitoring construction activities of the contractor to assure compliance and construction quality standards. These inspectors and technicians are prequalified with the FDOT for various tasks (see supplemental table below). Mr. McSwain would be able to devote about 25% of his time to the needs of the County.

**David Shin, EI**

**MAT Engineer Intern**

Mr. Shin has been serving as an engineering intern at Madrid since early 2021 and will serve as an **MAT Engineering Intern** and Assistant Project Manager as needed for this contract. His primary areas of exposure/experience include project management assistance, geotechnical field investigations, and geotechnical engineering analysis. Through his education and professional experience, he has experience in numerous technical software such as AutoCAD and ArcGIS and is continuing to develop his skills in numerous specialty software including gINT and GeoStudio. Much of his geotechnical engineering experience has been gained from working on projects in the areas of shallow and deep foundation systems, earthworks and site development, roadway soils, pavement evaluations and soil improvement techniques. He also has experience with conducting technical research, writing technical reports, and soils lab testing. He assists Madrid CPWG's project managers with design/calculation support, proposals, and field/laboratory testing projects.



**Construction Material Testing & Inspection Services Staff**

**Jason McSwain**

**Construction Services / CEI Manager**

Mr. McSwain has 16 years of experience with Madrid and has managed a myriad of both geotechnical engineering projects and construction inspection and testing projects throughout his years with Madrid. Mr. McSwain will serve as **Construction Material Testing** and **Inspection Service Area Lead** and provide technical direction for Construction Services assignments under this contract. He supervises staff and evaluates budgets and proposals for testing and inspection work for FDOT, other government clients, and private enterprise. In addition to materials (asphalt, concrete, soil, limerock, etc.) testing and evaluation, he works with our engineering staff for pile driving inspection and drilled shaft inspection services. He also maintains extensive experience in plans preparation, field and laboratory testing assignments, soil boring characterizations,



**Andy Acosta**

**Lab Manager**

Mr. Acosta has over 17 years of experience working in the DOT Construction Materials Testing industry. Andy has extensive laboratory testing and asphalt plant experience, and will serve as the **Laboratory Manager** and will assist with the **CMT Services as needed for this contract**. His responsibilities include managing day to day operations of the geotechnical soils laboratory and materials testing facility as well as serving as a Senior Inspector when those peak need periods arise. He currently serves as the Laboratory Manager for Madrid, as well as for Madrid's asphalt production facility inspection



## EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES

group. He has a thorough understanding of all County, FDOT, Turnpike, and FAA specifications and construction procedures and maintains a great working relationship with those agencies, as well as Central-Florida municipalities. Mr. Acosta would be able to devote about 20% of his time to the needs of the County.

### Cecil Allred Senior CEI Inspector

Mr. Allred has more than 13 years of experience with inspection and testing services for roadway and infrastructure projects; 9 of which has been with Madrid. He is a highly experienced roadway inspector and is second-to-none when it comes to earthwork or asphalt placement inspection operations. He has extensive experience on many Polk County projects, including the SR-37 Gravity Sewer installation project in 2017 and the CRUSA Water Production Facility in 2018. Additional projects in which Cecil provided inspection or verification technician services include: SR555 (US 17), Bartow; Southern Wine and Spirits Facility, Lakeland; SR 70, Arcadia; SR 45 (US41) Manatee County; Veterans Expressway, Hillsborough County; SR 35 (US 98), Lakeland; and the Suncoast Parkway, New Port Richey. He has also performed numerous FAA inspections and received his Airfield Pavement Inspection certification as provided by the Florida Department of Transportation Aviation Office. Mr. Allred would be able to devote about 20 to 30% of his time to the needs of the County.



### Anthony Brown Senior CEI Inspector

Mr. Brown has 9 years of experience working in the FDOT CEI industry since 2014 and specializes in multiple areas of construction inspection, including: asphalt plant inspection, earthwork, concrete, asphalt paving, drilled shaft inspection, and pile driving inspection. He maintains an exemplary understanding of FDOT specifications and construction procedures and has worked directly out of the District 1 Materials Office as a consultant. He has successfully completed numerous FDOT and County projects that included sampling, testing, and reporting. Mr. Brown also has extensive laboratory testing experience including aggregate, soils, and concrete. Mr. Brown would be able to devote about 20 to 30% of his time to the needs of the County.



### Michael Graves, PG, CPG Senior Geologist

Much of Mr. Graves's 40-year work experience includes completing hydrogeologic assessments throughout the State of Florida, preparing and implementing Ground Water Monitoring Programs, and environmental audits, working on projects in the areas of petroleum-related ground water quality assessments and remediation projects, hazardous and non-hazardous waste management, environmental site assessments, geophysical studies and mineral exploration/economic geology. He will serve as the **Environmental Services Area Lead** for Madrid if needed.

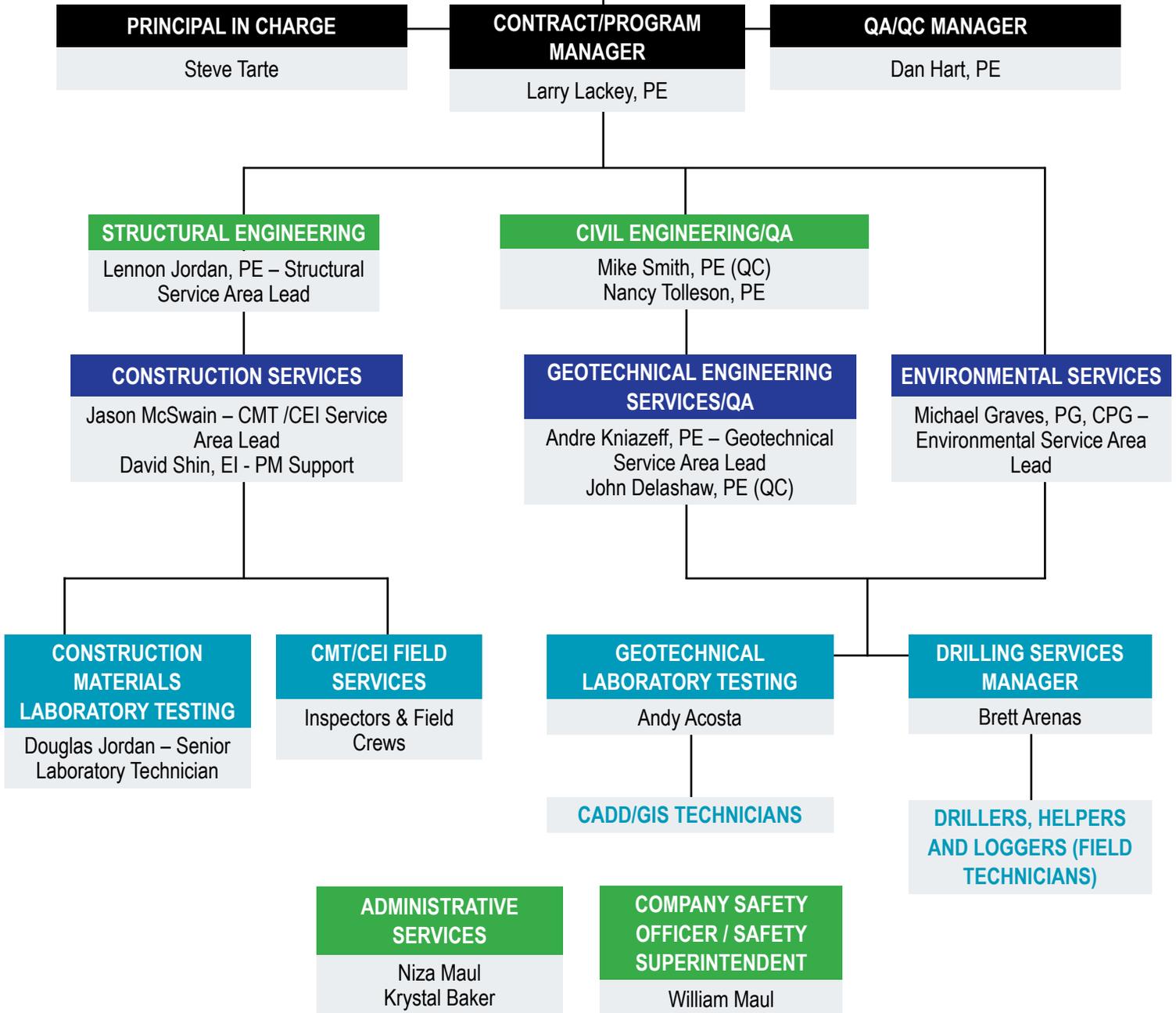


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EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES

Organizational Chart



# Larry Lackey, Jr., PE

## Senior Professional Engineer



A qualified Civil Engineer offering versatility in design, construction, and management, with over 36 years of experience in large scale municipal and private land development projects. Project experience includes municipal utilities engineering, water distribution systems, sanitary sewers and forcemains, storm sewer systems, water and wastewater treatment facilities, and structural facility design.

## Experience

### **ENGINEERING DESIGN AND PERMITTING**

- Civil design and permitting of new subdivisions and associated facilities, including roads, stormwater conveyance systems, stormwater detention ponds, sanitary sewers, and water systems. Specialized experience Southwest Florida.
- Design of new municipal parks and recreation facilities including associated facilities, amenities, and greenway trails.
- General permitting through federal and state permitting agencies including SWFWMD, DOT, DEP, and US Army Corps of Engineers.
- Hydraulic modeling, and design for water and sanitary forcemain systems, including ground storage and elevated water tanks.
- Mechanical design and permitting of new water and wastewater treatment plants and unit processes including pumping stations, booster stations, filters, aerators, clarifiers, digesters, chemical feed systems, mixers, plant process upgrades, as well as package plant design.
- Civil design and layout of topography and horizontal and vertical control associated with utility routes and sitework.
- Roadway design and easement establishment, including concrete curb and gutter, inlets, and sidewalks.
- Manager of personnel and project design team
- Coordinate projects with government agencies through the permitting process.
- Project Manager from inception through permitting.
- Preparation and monitoring of budgets and schedules through project development.
- Assessment of design alternatives and cost analyses.
- Coordination of design disciplines.

### **CONSTRUCTION MANAGEMENT**

- Responsible for all phases of project construction coordination, preliminarily in correspondence with contractors and suppliers relative to contract documents, specifications, and drawings.
- Preparation of bid documents, cost estimates, quantities, and contract agreements.
- Preparation of change orders, work directives, and addenda during bidding.
- Perform QA/QC and review shop drawings to ensure contractor provides materials and services in accordance with contract.
- Review bid packages and pay requests.



### **Years of Experience**

- 36 Years

### **Years with Current Firm**

- < 1 Year

### **Education**

- BS Civil Engineering, University of South Florida

### **Professional Registration**

- Professional Engineer, Florida #59904

### **Additional Certifications**

Honorable Discharge US Naval Mobile Construction Battalion (Seabees).

# Lennon D. Jordan, PE

## Chief Structural Engineer



Mr. Jordan serves as Chief Structural Engineer and Sr. Project Manager at Madrid Engineering Group, Inc., where he oversees engineering projects, provides leadership to staff, and contributes to marketing strategies. Previously, he worked for a decade at URS Corporation Southern as Sr. Civil Engineering Project Manager, managing an office in Bartow, Florida. In this role, he directed engineering and planning projects, including roadway and bridge design, construction engineering, site design, and more. Additionally, Mr. Jordan has been recognized as an expert witness in litigation, offering testimony in various cases, including right-of-way acquisition, construction claims, and design errors.

His extensive experience encompasses supervising projects such as County Line Road, Shepherd Road, Ewell Road, SR 50, US 17-92, US 17, Edgewood Drive, Kinds Highway, and others. Notably, he played a crucial role in upgrading 2-lane facilities to 4- and 6-lane roadways, with some involving new alignments and extensive corridor studies following FDOT guidelines.

## Project Experience

**Project Manager, Howard Frankland Bridge Erosion Control Study, FDOT District Seven, Hillsborough County, Florida (1996):** Charged with developing a plan for controlling erosion of the Howard Frankland Bridge causeways during major storm events. The study evaluated hydro-dynamic storm conditions that would result in over-topping of the causeway bulkheads, alternative methods for sealing leaking bulkhead joints, and evaluating various types of salt tolerant vegetation for the roadway shoulders.

**Project Manager, Polk County Administrative Complex Parking and Drainage Study, Polk County, Florida (2007- 2008):** Managed and directed a comprehensive parking and drainage study to evaluate constructing additional ground level parking areas for the Polk County Administration Building, Courthouse, Sheriff's Offices and other administrative areas. Program elements included conducting a detailed traffic study, usage, signage, consolidation and relocation of existing stormwater management areas, removal of landscape island, restriping, construction of stormwater vaults, and other system improvements.

**Project Manager IMC/Mosaic Peace River Park Boardwalk, Homeland, Florida (2008):** Responsible for the design of an additional 3000 feet of boardwalk at IMC/Mosaic Peace River Park located along the west bank of the Peace River in Homeland, Florida.



### Years of Experience

- 45+

### Education

- B.S., Civil Engineering, University of South Florida
- M.S., Engineering Management, University of South Florida

### Professional Registration

- Professional Engineer, Florida # 22407
- Certified Special Inspector / Florida

### Specialization

- Structural Engineering
- Construction Management
- Project Management
- Forensic Studies
- Threshold Inspection

### Continuing Education (Partial)

- Construction Safety – (2008)
- Wind Load Design – (2019)
- Advanced Building Code Update (2010, 2012, 2015, 2018)
- Catastrophic Failure (2010)
- Evaluating Storm Losses (2010)
- Structural Evaluation and Restoration (2012)
- Non-Destructive and Destructive Testing (2012)

# Nancy Tolleson, PE

## Civil Engineer



Nancy Tolleson has 9 years of experience in civil and structural engineering, project management, and engineering management. She has a wide variety of experience in airfield and roadway pavement design, site development, utility design, stormwater management, environmental considerations, and steel structure design.

## Project Experience

**Liftstations Design for Holly Avenue and Graves Avenue Septic to Sewer Project, Orange City, FL | Project Engineer.** Complete design and permitting of two duplex Lift Stations, one of 225 GPM capacity at 30 ft. of Total Dynamic Head (TDH) and the other of 330 GPM capacity at 27 ft. of TDH. Design was done to meet FDEP, 10-State Standards, and Orange City criteria.

**12" Force Main and 12" Water Main Extensions, City of Plant City, FL | Project Engineer.** Design and permitting of approximately 4,000 linear feet of 12-inch force main extension along Wilder Road between Cherry Street and I-4 Frontage Road; and 4,200 linear feet of 12" water main extension along West Trapnell Road between Heathcoe Road and James L Redman Parkway in Hillsborough County. Due to existence of several underground utilities along both of these roads, substantial portions of the forcemain and water main are proposed to be constructed using Horizontal Directional Drilling method. The designs are complete on both projects and now are in the FDEP permitting phase.

**Construct Alert Ramp Pavement and Lighting, MacDill AFB | Civil Engineer and Project Manager.** Responsible for the design of approximately 100,000 sq ft of airfield shoulder pavement, water quality treatment, and erosion/sediment controls. Coordinated with electrical engineer for design of stadium light poles to support airfield lighting requirements. Responsibilities included preparing design drawings and permitting.

**Repair Golf Course Ave Culvert, MacDill AFB, FL | Civil Engineer and Project Manager.** Responsible for the design of roadway repair, concrete culvert repair, headwall repair, and new wingwalls in wetland area. Included maintenance of traffic plans, erosion/sediment control management, manatee protection requirements, and permits for construction in wetlands.

**Convert Hangar 5 to Fuel Cell Maintenance Hangar, MacDill AFB, FL | Civil Engineer.** Responsible for the design/build solicitation package for the renovation of an Aircraft Hangar to a Fuel Cell Maintenance Hangar including a new pump house for fire suppression. Developed site plans for a new pump house and water storage tanks. Revised parking layouts to meet UFC requirements. Designed new water, sanitary, and fire suppression utilities to support other disciplines. Reviewed and provided technical feedback on the design/build team submissions.

**Repair Taxiway Kilo and Lima, MacDill AFB | Civil Engineer and Project Manager.** The project included differential mill and overlay of existing airfield taxiway pavement. Partial depth reconstruction and fabric interlayer was required in portions of the taxiways. Responsibilities included preparation of a design/build solicitation package, technical review of Contractor's design/build drawings and submittals, coordination of schedule, and phasing requirements.



### Years of Experience

- 9 Years

### Years with Current Firm

- < 1 Year

### Education

- MS Civil Engineering, University of North Carolina
- BS Civil Engineering, University of North Carolina

### Professional Registration

- Professional Engineer, Florida # 84992
- Professional Engineer, Tennessee # 118069
- Professional Engineer, Mississippi # 29109
- Professional Engineer, Alabama # 37599
- Professional Engineer, South Carolina # 35560
- Professional Engineer, North Carolina # 046646
- Professional Engineer, Virginia # 0402059335
- Professional Engineer, Kentucky # 33728

# Steve Tarte

## Principal in Charge



Mr. Tarte has more than 30 years of experience providing services in the consulting engineering field. He has developed and managed projects with municipal, state and federal agencies and private corporations. Mr. Tarte has managed projects in over fifteen states with public agencies such as The Army Corps of Engineers Districts (St. Paul, St. Louis, Rock Island, Vicksburg, New Orleans, Jacksonville, and the Waterways Experiment Station), the Fish and Wildlife Service, National Park Service and the US Geological Survey. Clients in state agencies include the Florida Department of Environmental Protection, the South Florida Water Management District, the St. Johns River Water Management District, the Illinois Department of Transportation, the Chicago Metropolitan Reclamation District, and the State Engineers Office, New Mexico. Municipal agencies include The City of Tallahassee, St. Pete Beach, Orlando and Maitland, Hillsborough, Orange, Seminole, Leon and Lake Counties

## Project Experience

**City of St. Pete Beach Continuing** . CPWG was contracted by the City of St Pete Beach to provide Engineer of Record services for the city. Mr. Tarte served as the Principal in Charge for all continuing projects in St. Pete Beach. Our team used their experience in local government planning and comprehensive planning to prepare or review the City's comprehensive plan amendments and Evaluation and Appraisal Reports. Other skills utilized under this contract included GIS and mapping services, transportation planning, utility planning, stormwater management, pavement management, construction management, and revitalization/redevelopment planning.

**Pass-a-Grille Way Phase 1 Final**. Mr. Tarte served as the Principal in Charge on this major stormwater project. He assisted in the administration and permitting of stormwater elements including new sewer pipes. Several improvements were made to the existing stormwater piping system which was enlarged and expanded. New inlets were installed, and baffle boxes with tide flow preventers were designed and installed to reduce the risk of flooding in the area.

**Pass-a-Grille Way Preliminary Engineering Study**. Mr. Tarte served as the Principal In Charge. CPWG Conducted a preliminary engineering study reconstruction plan evaluation for Pass-a-Grille Way between Cabrillo Avenue on the north end and 19th Avenue at the south end (approximately 5,200 linear feet). Measures were taken to look into the advantage of economies of scale by repairing all the infrastructure deficiencies at the same time while minimizing the disruption of residents and visitors to this area of the island. This included investigations of the existing stormwater system, existing wastewater lines, existing reclaimed water lines, existing potable water lines, additional geotechnical investigations, associated survey and management of public involvement.

**Seminole Well Abandonment**. Mr. Tarte served as the Principal In Charge. CPWG provided permitting and engineering services to facilitate the abandonment of the Seminole Avenue potable water well. The well was located in a well house at the southwest corner of Seminole Street and 12th Street. CPWG prepared and submitted the well abandonment permit application to the St. Johns River Water Management District. CPWG provided the SJRWMD abandonment permit and the photos of the completed abandonment project to FDEP. CPWG assisted the City in the bidding of the construction contracts and supported the City with limited construction phase services.



### Years of Experience

- 33 Years

### Education

Economics University of Illinois

### Professional Affiliations

- Florida Stormwater Association
- Florida Native Plant Society

### Awards

US Army Corps of Engineers, St. Louis District, Meritorious Service Award for outstanding efforts during the Great Mississippi River Flood of 1993

# John Delashaw, PE, MAT

## Principal, Geotechnical Engineer



Mr. Delashaw currently serves as Vice-President and is the project principal and/or technical lead for most of the company's geotechnical projects. Much of his over 33 years of geotechnical engineering experience has been gained from working on projects in the areas of: dam design and evaluation; shallow and deep foundation systems; earthworks and site development; soil improvement techniques; specialty soil sampling; sinkhole investigation, evaluation and stabilization, and roadway soil.

His primary experience includes project management, contract management, technical direction of geotechnical engineering projects, geotechnical field investigations, and analyses for numerous public and private sector clients. He is responsible for staffing and resource management and reviewing engineering evaluations for geotechnical investigations in addition to numerous subsidence investigations. He often provides expert witness testimony on forensic projects and is in responsible charge of numerous soil stabilization projects.

### Project Experience

**Harden Boulevard Access Road, Polk County, FL | Geotechnical Principal-in-Charge.** Project consisted of geotechnical investigation, design and construction plans to construct an approximately 600 foot long access road that progresses east from Harden Blvd. through former phosphate mined lands to provide access to a new development (residential and/or commercial) in Lakeland, Florida. Madrid CPWG was requested to provide a geotechnical design for a stable, permanent platform for roadway embankment construction along the proposed access road alignment. Madrid CPWG's design included CSV (cement stabilized vertical) columns combined with a load transfer blanket (LTB) consisting of multiple layers of biaxial geogrid interbedded with compacted sandy fill. The system will distribute and transfer roadway, embankment, and vehicle loads to more competent soils at depth. The combined system provides a more uniform load response to the roadway embankment. Value of Project: \$68,000

**Polk County, West Lake Eloise Drive Resurfacing Project, Winter Haven, FL | Geotechnical Principal-In-Charge.** This Polk County project included a section of road that overlies a thick peat layer that has a history of on-going settlement. Additional pavement has been added over time to try to keep the pavement above the seasonal high water level without success as the road continues to flood. Madrid investigated the site then recommended and designed a roadway cross-section that included excavation of the pavement section and installation of about 3 feet of lightweight cellular concrete allowing us to raise the roadway about 1 foot above the high water mark while also slightly unloading the organic soils that were too deep to excavate. By reducing the total load on the organics future settlement is nearly eliminated. Analyses included buoyancy calculations to ensure that the lightweight concrete would have sufficient pavement weight above it to avoid "popping out of the ground". Value of Project: \$55,000

**Grandview Parkway, New Roadway and Bridge over I-4, Polk County, FL | Project Principal.** Oversee geotechnical design and recommendations for a 3000 ft. new 2-lane roadway that includes a 600 ft. bridge over I-4 near Davenport, Florida. The project includes embankment, MSE walls, bridge pilings and stormwater ponds and some of the alignment crosses an existing wetland and organic deposits. Project challenges included high settlement estimates and remediation of a relic sinkhole found along the wall alignment. Value of Project: \$87,000



#### Years of Experience

- 33 Years

#### Education

- B.S., Civil Engineering, San Diego State University

#### Professional Registration

- Professional Engineer, Florida # 48154 (1986)

#### Additional Certifications

- Properties of Fills for MSE Walls – ASCE Webinar, January 2018
- Geo-Frontiers Conference – 2011 (Paper presented at conference – published in proceedings– June 2017
- Geotechnical and Materials Engineers Conf. ('98,'01,'04,'07,'10,'11,'12,'13,'14,'16,'17,'18,'19)
- Florida Dam Safety Annual Conference 1997 through 2004 (technical presenter 1999 & 2003)

# Jason McSwain

CMT / CEI Division Lead



Mr. McSwain has been with Madrid CPWG since September 2007. Mr. McSwain currently serves as department head for Madrid CPWG's Construction Engineering Inspection (CEI) and materials testing department, as well as Madrid CPWG's laboratories. He supervises staff and evaluates budgets and proposals for testing and inspection work for FDOT, other government clients, and private enterprise. During his 16 years with Madrid CPWG, Mr. McSwain has served as a project manager, performing and overseeing the successful completion of a myriad of geotechnical investigations and construction inspection projects. He maintains a close working relationship with the FDOT as well as representatives from multiple local municipalities. His duties have included field inspection and testing, shallow and deep foundation systems, soils analysis, soil surveys, geotechnical drilling activities, report preparation, soil improvement recommendations, materials testing, pavement design, personnel management and support for various construction engineering projects. He maintains extensive experience in plans preparation, field and laboratory testing assignments, soil boring characterizations, contract management, resource allocation, and a significant variety of computer software including Computer Aided Design (CAD) programs..

## Project Experience

**Continuing Services Contract Support for Asphalt Plant Inspection, FDOT Districts One and Seven, FL | Project Manager.** Mr. McSwain serves as the project manager for Madrid CPWG to provide on call, as needed Asphalt Plant Inspectors for all asphalt plants in the District 1 and 7 areas, including field coordination, DOT correspondence, SharePoint update verification, and MAC entry verification.

**Lakeland Linder Airport – Taxiway A Rehabilitation, Lakeland, FL | Project Manager.** Mr. McSwain served as the project manager for Madrid CPWG to provide VT Asphalt Plant Inspection during the rehabilitation of Taxiway A at the Lakeland Linder Regional Airport. During the course of this project, Mr. McSwain also developed a new Madrid CPWG P-401 worksheet for use by Madrid CPWG plant inspectors.

**SR 555 (US 17) from Avenue G SW to Avenue A SW, Polk County, FL | Project Manager.** This project consisted of the reconstruction of US 17 / SR 55 in Winter Haven, Florida. Mr. McSwain served as Madrid CPWG project manager during the construction and provided CEI VT inspection services for this project. Responsibilities included field coordination during earthwork, drilled shaft, signals, storm sewer, concrete, thermo, and asphalt paving inspection operations.

**North Central Landfill Phase V Expansion, Polk County, FL | Project Manager.** Mr. McSwain was responsible for the staff management of multiple verification testing inspectors during the expansion construction, including all materials testing for earthwork, storm sewer, concrete placement, as well as liner installation.

**SR 60 (T1611), Polk County, FL | Project Manager.** This project included intersection improvements along SR 60 in District 1. Mr. McSwain served as the Madrid CPWG project manager for the on-site VT inspector, with duties including quality assurance for earthwork construction inspection, concrete inspection, and asphalt paving inspection.



### Years of Experience

- 16 Years

### Education

- B.S, Computer Engineering
- Coursework including: Material Science, Advanced Physics, Circuit Theory, and Engineering Mechanics

### Additional Certifications

- Earthwork Construction Inspection Levels I and II
- Concrete Field
- Asphalt Paving Inspection Levels I & II
- Pile Driving Inspection
- FDOT Geotechnical Research in Progress Conferences
- FDOT GMEC Conferences
- FDOT Laboratory Expectations
- Tensar Roadway Design Workshop
- Engineering and Environmental Impacts of Karst

# Andre Kniazeff, P.E.

## Geotechnical Engineering Division Leader



Mr. Kniazeff is the Geotechnical Engineering Division Leader and has 13 years' experience providing geotechnical engineering, materials testing, environmental, and consulting services. These services include planning/coordinating subsurface exploration and laboratory testing programs, geotechnical engineering analyses and providing recommendations relating to the design and construction of roadways, structures, earthwork projects, and sinkhole investigations. Additional responsibilities include maintaining project budgets, timelines, overseeing field crews, and client consultations throughout the project duration.

## Project Experience

### Zenith Pipeline

Geotechnical exploration program, laboratory-testing program, engineering analysis and report preparation in support of the installation of a natural gas pipeline by Horizontal Directional Drilling (HDD).

### Tyndall Air Force Base Infrastructure

Geotechnical investigation, design and recommendations for new buildings, Stormwater Management Systems (SMS), roadways, and subsurface utilities construction within the Tyndall Air Force Base in Panama City, Florida.

### USPS Parking Lot Expansion

Geotechnical investigation, design and recommendations for a new parking lot, Stormwater Management Systems (SMS), and subsurface utilities construction in Panama City, Florida.

### Pedestrian Bridge, State Avenue, City of Panama City, Public Works Department

Geotechnical investigation, design and recommendations for a new pedestrian bridge in Panama City, Florida. The bridge structure consisted of a reinforced concrete structure founded on a deep foundation (driven timber piles).

### Bay Parkway Phase II, Panama City Beach, FL

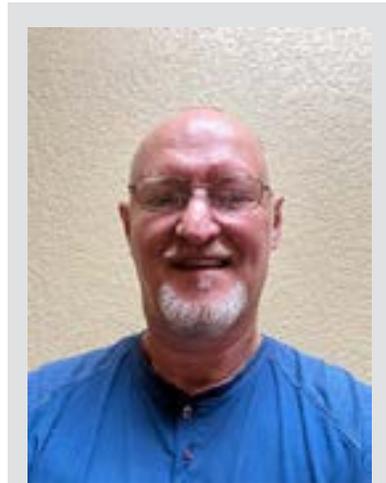
Roadway soil survey, field exploration, and flexible pavement design for a new roadway alignment. Also included foundation recommendations for culverts, major signals and signs.

### River Road Bridge Replacement, Walton County, FL

Geotechnical investigation, design and recommendations for a new vehicular bridge in Walton, Florida. The bridge structure consisted of a reinforced concrete structure founded on a deep foundation (driven precast concrete piles).

### Street Resurfacing Project 2019, Panama City Beach, FL

Perform pavement corings and field evaluation followed by condition assessment and remedial recommendations for several roadway alignments in Panama City Beach, FL.



### Years of Experience

- 13 Years

### Education

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

### Professional Registration

- Professional Engineer, Florida # 81315

# Michael A. Graves, PG, CPG

## Professional Geologist



Mr. Graves has provided project assistance to public, private, and legal sectors during the past 40 years with projects involving hydrogeology, hazardous and non-hazardous waste management, environmental site assessment/compliance audits, geophysical studies, and mineral exploration/economic geology.

## Project Experience

**Contamination Assessment and Remediation, Daytona Beach, Florida | Project Manager.** Assessed property of a former gas station for petroleum contaminants. Project resulted remediation of property including removal and off-site disposal of 1,500 cubic yards of contaminated soil, application of oxygen-release compounds, installation of groundwater monitoring wells, and performance of quarterly groundwater quality monitoring (Post Active Remediation Monitoring).

**Soil & Groundwater Contamination Assessment, North Port, Florida | Project Manager.** Assessment of a former golf course property impacted with arsenic. Project included public meetings, city commissioners presentations for approval for redevelopment, collection and analyses of over 900 soil samples to delineate soil arsenic plume, installation of a network of shallow monitoring wells to identify areas containing arsenic-impacted groundwater, preparation and submittal of the Site Assessment Report to the Florida Department of Environmental Protection.

**MODEF Contamination Assessment and Remediation, Lakeland, FL | Project Manager.** Assessed and remediated soil and groundwater impacted with mineral oil dielectric fluid (MODEF) resulting from an explosion of a large electrical transformer, which released approximately 1,700 gallons of oil to the shallow soils and groundwater system.. Site remediation was accomplished utilized bioremediation; specifically, hydrogen release compounds. Managed project through completion, and obtained a site-status of No Further Action from the FDEP.

**Hydrogeologic Study & Site Evaluation, Auburndale, Florida | Project Manager.** Hydrogeologic investigation to study and evaluate the suitability for waste-water effluent disposal using a proposed spray field on 146-acre parcel. Ground percolation tests, falling-head permeability tests, and aquifer hydraulic tests were performed to identify the hydrologic characteristics of the vadose zone sediments and upper unconfined aquifer system. Numerical modeling was performed using the acquired site-specific data and the MODFLOW modeling program developed by the United States Geological Survey. Simulations were run using various scenarios to confirm the desired 1.0 million gallon per day volume of discharge was obtainable.

**Phase 1 Environmental Site Assessment, State of Florida | Project Manager.** Performed due diligence studies, including both Phase I and Phase II, throughout Florida for banking institutes, attorneys, land developers, water management districts, large landowners, and citrus growers. Each investigation was completed in advance with the appropriate American Standards for Testing & Materials.



### Years of Experience

- 40 Years

### Education

- Master of Science, Geochemistry, University of Florida
- Bachelor of Science, Geology, University of Florida

### Professional Registration

- Geologist, Florida # 51
- Geologist, Alabama #367
- Geologist, Georgia #1549
- Geologist, Kentucky #700
- Geologist, South Carolina #534
- Certified Professional Geologist – A.I.P.G #7401

### Additional Certifications

- Certificate of Hydrology, University of South Florida

### Professional Appointments

- Member, UF Dept of Geologic Sciences Advisory Committee, 2009 - present
- Secretary, American Institute of Professional Geologists – Florida Section, 2012 - 2014
- Chairman, Board of Professional Geologists – State of Florida, 1996-1997

# Douglas Jordan

## Senior Laboratory Technician



Douglas has over eight years of experience in the construction industry (5 as Senior) specializing in the laboratory testing of concrete, soils, and asphalt. He is also a CTQP-qualified field inspector for earthworks and concrete. Mr. Jordan possesses a thorough knowledge of ASTM/AASHTO/FDOT specifications and is proficient in the use of MAC. His responsibilities at Madrid CPWG include oversight of daily operations, training, inventory management, and performance of tests as required.

### Project Experience

#### **SR 542 (Buckeye Loop Rd to US 27) 410666-3-52-01**

##### **Nov 2021 – Present Sr. | Laboratory Technician**

Mr. Jordan is responsible for most of the required testing on embankment, subgrade, and base soil samples for this project as well as concrete compressive strength testing. He is also responsible for the entry and submittal of all results into MAC.

#### **SR 25 (Cloverleaf Rd to SR 66) 439434-1-52-02**

##### **Aug 2021 - Present | Sr. Laboratory Technician**

Mr. Jordan is responsible for most of the required testing on embankment, subgrade, and base soil samples for this project as well as concrete compressive strength testing. He is also responsible for the entry and submittal of all results into MAC.

#### **FL Turnpike (Osceola County Line to Beachline) 411406-1-52-01**

##### **Sept 2018 – Apr 2020 | Sr. Laboratory Technician**

Mr Jordan performed compressive strength testing on drilled shaft concrete specimens collected during QC operations and entered results in MAC. He also assisted with field testing on occasion.

#### **SR 546 Widening (I-4 to Wabash Ave.) 434762-1-52-01**

##### **July 2016 - November 2017 | Laboratory Technician**

Mr. Jordan performed most of the required testing on embankment, subgrade, and base samples and he conducted many compressive strength tests on concrete for roadway and drilled shafts. He was also responsible for the entry and submittal of all results into MAC.



### Education

Bartow High School 2008

### TIN#

J63517690

### Certifications

- CTQP Earthwork Construction Inspector Level 1 & 2
- CTQP Concrete Field Technician Level 1
- CTQP Concrete Lab Technician Level 1
- CTQP Aggregate Base Testing Technician
- CTQP LBR Technician
- CTQP Qualified Sampler Technician
- ACI Concrete Field Testing Technician Grade 1
- ACI Concrete Laboratory Testing Technician Level 1
- ACI Aggregate Base Testing Technician
- ACI Aggregate Testing Technician Level 1
- ACI Concrete Strength Testing Technician
- Nuclear Gauge Safety

# David Shin, EI

## MAT Engineering Intern



Mr. Shin has been serving as an engineering intern at Madrid CPWG since early 2021. His primary areas of exposure/experience include project management assistance, geotechnical field investigations, and geotechnical engineering analysis. Through his education and professional experience, he has experience in numerous technical software such as AutoCAD and ArcGIS and is continuing to develop his skills in numerous specialty software including gINT and GeoStudio. Much of his geotechnical engineering experience has been gained from working on projects in the areas of shallow and deep foundation systems, earthworks and site development, roadway soils, and soil improvement techniques. He also has experience with conducting technical research, writing technical reports, and soils lab testing. He assists Madrid CPWG's project managers with design/calculation support, proposals, and field/laboratory testing projects.



### Project Experience

**County Road 557 Widening, Winter Haven, FL (2021)** Geotechnical engineer performing lab classifications and analysis as well as project management support for the widening of CR 557 in Polk County. This project involved over five miles of field investigations and associated lab testing, requiring analysis of approximately 650 various field samples.

**Various FDOT Pavement Evaluation, District 1 (2023)** Engineer selecting core locations and generating pavement coring plans per FDOT standard operating procedures. Also providing assistance in the management of PECCD core data for proposed and final submittals.

**Fort Fraser Trail Extension, Lakeland, FL (2020)** Geotechnical engineer providing project management support for an approximate 3 miles extension of the Fort Fraser trail in Lakeland. Including managing the field investigations and laboratory testing, geotechnical analysis, and report writing.

**US 27 RRR, FDOT District 1, Davenport, FL (2021)** Geotechnical engineer for the improvement of US 27/SR 25 through Davenport, FL. Managing the field/lab testing, performing analysis, and drafting FDOT-format CADD sheets. The project involved field investigations for various right of way improvements, multi-post signs, lighting foundations, and signal mast arm foundations.

**FDOT Design-Build, SR 826, Miami, FL (2023)** Geotechnical engineer providing assistance for the widening of SR 826 with multiple bridges, MSE walls, noise walls and various signs, signals and other structures. Management of borings and drafting of FDOT-format RCB and RSS sheets.

**FDOT Design-Build Value Added Foundation Design, Sawgrass Expressway (SR 869) over Atlantic, Blvd, FL (2023)** Geotechnical engineer for the foundation design service of a proposed alternate bridge configuration. Providing project management support including managing the field investigation, laboratory testing, and drafting of CADD sheets.

#### Years of Experience

- 2 Years

#### Education

- B.S. Civil Engineering, Florida Institute of Technology

#### Professional Registration

- Engineering Intern Florida #1100023471 (2020)

# Andy Acosta

## Laboratory Manager



Andy Acosta has over 17 years of experience working in the DOT Construction Materials Testing industry and has extensive laboratory testing and asphalt plant experience. He currently serves as the Laboratory Manager for Madrid CPWG's Construction Materials Testing department, as well as Madrid CPWG's asphalt production facility inspection group. Mr. Acosta is currently overseeing a variety of FDOT, municipal, airport, and private projects all around Central Florida. He has a thorough understanding of all FDOT, Turnpike, and FAA specifications and construction procedures and maintains a great working relationship with those agencies, as well as Central-Florida municipalities.

## Project Experience

### VA Community Based Outpatient Clinic – Lakeland, FL | Project Manager

Mr. Acosta provides QA/QC review and technical support for the construction of the VA Hospital in Lakeland, FL. He reviews the laboratory testing to make sure they are in accordance with the appropriate standards.

### CEI Projects – Central Florida | Project Manager

Andy has worked on and managed staff across a variety of FDOT, Municipal, Airport, and Private jobs. He provides technical support to the staff and ensures testing and inspection is done in accordance with the appropriate standards and specifications. Likewise, he reviews laboratory testing reports to maintain quality service to our clients.

### FDOT Asphalt Plant Inspection – Districts 1 & 7 | Senior Asphalt Plant Inspector

Mr. Acosta provided Asphalt Plant VT inspection services for projects in both districts 1 and 7. These services include inspection and testing to ensure compliance with the FDOT Construction Training Qualification Program.

### Turnpike Asphalt Plant Inspection – District 8 | Senior Asphalt Plant Inspector

Mr. Acosta provided Asphalt Plant VT inspection services for projects on the turnpike. These services include inspection and testing to ensure compliance with the FDOT Construction Training Qualification Program.

### FDOT Asphalt Plant Inspection – District 5 | Senior Asphalt Plant Inspector

Mr. Acosta provided Asphalt Plant VT inspection services for projects in district 5. These services include inspection and testing to ensure compliance with the FAA specifications and construction procedures.

### Airport Asphalt Plant Inspection – Central Florida | Senior Asphalt Plant Inspector

Mr. Acosta provided Asphalt Plant VT inspection services for projects in Airports around Central Florida, including Orlando International Airport, Lakeland Linder Airport and Punta Gorda Airport. These services include inspection and testing to ensure compliance with the FDOT Construction Training Qualification Program.

### FDOT Laboratory Testing – Districts 1 & 7 | Laboratory Technician

Mr. Acosta ran tests on concrete, aggregates and soils to ensure compliance with CCRL, AMRL, ASTM, and the FDOT Construction Training Qualification Program

### Puerto Rico Department of Transportation | Materials Testing Analyst

Mr. Acosta ran tests on mix asphalt, concrete, aggregates and soils to ensure compliance with CCRL, AMRL, ASTM, and the Federal Highway Administration specifications.



### Years of Experience

17 Years

### Education

Polytechnic University of Puerto Rico, 1998

### TIN#

A22301976

### Additional Certifications

- CTQP Asphalt Plant Technician Level I & II
- CTQP Asphalt Paving Technician Level I & II
- CTQP LBR Technician
- ACI Concrete Strength Testing Technician
- ACI Aggregate Base Testing Technician
- Nuclear Gauge Safety

# Brett Arenas

## Drilling Department Head



Mr. Arenas currently serves as the Madrid CPWG Drilling department head and leads most of the company's drilling projects. Much of his 35 years of geotechnical and environmental drilling experience comes from performing geotechnical field investigation and testing for site development, evaluation, stabilization, roadway, bridges, and other infrastructure projects, as well as environmental impact studies for plume delineation and contaminant cleanup through the installation of water wells and exploratory borings.

### Project Experience

**FDOT Geotechnical Project: E7R26 I-75 S to EBWB I-4 Exit Ramp:** This project was for the expansion of the existing infrastructure and consisted of over 40 SPT borings with depths from 20' to over 150'

**TS Freshwater Blending Pipeline Crossing:** This geotechnical exploration project was for the installation of a pipeline along wy 595, Live Oak St, & Hwy 19 and consisted of over 30 SPT borings with depths from 10' to over 40'

**CR557 Widening:** This geotechnical exploration project was for the expansion of the existing infrastructure and consisted of over 530 locations where SPT borings, Hand Augers, and Test pits were done along hwy 557

**Howard Frankland Bridge:** This overwater geotechnical exploration project was for the expansion of the existing infrastructure and consisted of over 40 SPT borings with depths from 100' to over 200' drilled from our in-house jack-up barge.

**Flagler County Rural Road Evaluation:** This geotechnical exploration and evaluation project was for a roadway rehabilitation project along approximately 3 miles of CR 90E & CR 90W in Flagler County, Florida, and consisted of multiple SPT borings.

**Hallam Preserve Signalization:** This geotechnical exploration was for the proposed intersection signalization of CR 540A and Hallam Preserve, Polk County, Florida, and consisted of multiple SPT borings.

**Marigold Mast Arms and Ponds:** This geotechnical exploration and evaluation for the proposed new mast arms, stormwater ponds, and flood plain compensation ponds along Marigold Avenue in Poinciana, Florida and consisted of multiple SPT borings, hand augers, and test pits.

**SR 590 Drew St - Osceola Ave to US 19:** This geotechnical exploration project was for the expansion of the existing infrastructure and consisted of over 40 SPT borings.

**Fort Fraser Trail SR 60 Pedestrian Bridge:** This geotechnical exploration project was for the expansion of the existing infrastructure and consisted of SPT borings with rock coring for a bridge over SR 60

**Miscellaneous Well Installation and Downhole Permeability Projects:** We regularly install monitor wells and piezometers and perform downhole perm tests



#### Years of Experience

- 37 Years

#### Education

- High School - GED 2000  
Sacramento, CA
- Pearce Technical College – 2000  
Sacramento, CA

#### Areas of Experience

- Project Management
- Health & Safety Specialist
- Job costing/estimating
- Mud Rotary
- Air Rotary
- Rock Coring
- Auger Drilling & Coring
- CPT / MIP / EC
- Well Construction
- Well Decommissioning
- Drilling Test Borings
- Sonic drilling - Borings & Well Installs

#### Additional Certifications

- Florida licensed Well Driller Contractor
- OSHA 8 HAZWOPER
- OSHA 40 HAZWOPER
- OSHA 30 General Industry
- OSAH 8 Supervisor
- Class A License w/Tanker
- Forklift Trainer
- Smith System defensive driving

**EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES**

**IMC/Mosaic Peace River Park Boardwalk**

**Homeland, Florida**



Madrid Engineering Group, Inc. served as the principal geotechnical consultant to URS Corp. on the design team responsible for the design of an additional 3000 feet of boardwalk at IMC/Mosaic Peace River Park located along the west bank of the Peace River in Homeland, Florida.

The park consists of a parking area, restrooms and several thousand feet of elevated wood boardwalk that winds through the forested floodplain along the bank of the Peace River. The boardwalk was intended to allow access to the undisturbed portions of the floodplain for nature viewing. As such, limited clearing of trees was permitted during the design and construction phases

of the project and minimal impact to the natural setting was allowed, making design very challenging. Due to the clearing and environmental restrictions on this project, no heavy drilling equipment was used on this site. Only equipment that could be carried in by hand was used to collect soils and density information for the soils characterization. IMC/Mosaic Peace River Park Boardwalk winding through the floodplains of the west bank of the Peace River in Homeland, Fl.

Extensive organic muck was found in the swamplands surrounding the river and timber piles were designed to support the boardwalk. The new portions of the boardwalk were intended to match the style and design of the existing boardwalk as much as possible while adhering to current building codes.

(Note: Personal experience of Lennon Jordan as URS Project Manager.)

**Project Type**

Geotechnical

**Owner**

Polk County Public Works

**Contact**

Bob Wiedrich, Senior Planner Michael Callendar 863.534.4340

**Client**

Polk County Real Estate Services

**Madrid Key Staff**

John Delashaw, PE

**Original Budget**

Construction Costs:	\$ 660,000
Geotech Fees: \$	10,600

**EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES**

**Kathleen Fire Station Prelim Geotech**

**Lakeland, Florida**



Madrid was asked to provide a limited geotechnical exploration and preliminary evaluation for a proposed new fire station at an undeveloped site in Lakeland, Florida. The purpose of the exploration is to collect subsurface soil information in order to provide data and general site suitability for construction.

**MADRID APPROACH** –Madrid provided the appropriate equipment that could move around the site with minimum required clearing. The purpose of this investigation was to provide a preliminary evaluation of the existing subsurface conditions at the boring locations, to identify constraints or limitations (to the extent possible) that the subsurface conditions may impose on the planned construction and provide general recommendations regarding site suitability, primarily for structures.

**MADRID BENEFIT** – Madrid has all of the various equipment needed to handle a wide variety of difficult site conditions economically. We were able to collect the field and laboratory testing data well within the schedule and budget.

**Project Type**

Geotechnical

**Project Cost**

\$4,914.00

**Owner**

Polk County Public Works

**Contact**

Mr. R. Wade Allen  
(863) 534-2577

**Client**

Polk County Real Estate Services

**Madrid Key Staff**

John Delashaw, PE

**Original Budget**

\$ 4,922.00



**EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES**

**Polk County Roads and Drainage Annex**

**Location**

Florida - Madrid was asked to provide construction materials testing and inspection for a proposed new 12,600 ft<sup>2</sup> Annex for the Roads and Drainage Division at the Sheffield Rd location in Winter Haven, Florida.

**MADRID APPROACH** – Madrid carefully monitored the progression of this project and maintained on-call field inspection as needed, as construction advanced by the contractor (Miller Construction).

**MADRID BENEFIT** – Madrid’s primary office is located 15 minutes from the project location, allowing our team to provide testing as needed in a cost-effective and efficient manner. We maintain an excellent working relationship with the contractors and County representatives, and consistently provided prompt and professional service, as well as accurate data reporting.



**Project Type**

CEI

**Project Duration**

2019

**Project Cost**

\$19,222.75 (Madrid portion)

**Owner**

Polk County Public Works Road & Bridge Division

**Contact**

Mr. Steve McMillan  
(863) 860-8001

**Client**

Polk County

**Madrid Key Staff**

John Delashaw, PE  
Jason McSwain  
Doug Jordan,

**Original Budget**

\$23,570.50



**EXPERIENCE, EXPERTISE, PERSONNEL AND TECHNICAL RESOURCES**

**Wellen Park Seawall and Dock**

**North Port, FL**

The work included preparation of construction and permit plans for a new seawall and concrete suspended slab deck at a new lake for Wellen Park. Services during construction included inspection during construction (by Larry Lackey, PE) and addressing RFIs during the work.



**Professional Services**

2021

**Construction**

2022

**Owner**

Various

**Contact**

Zac Xjet  
(941) 380-6903

**Client**

Charlotte County Seawalls

# TAB 4

## Interactions with County and Regulatory Agency Staff



## INTERACTIONS WITH COUNTY AND REGULATORY AGENCY STAFF

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Madrid is currently providing services to Polk County under our continuing services contract for Professional Geotechnical Engineering, CMT and Inspection services; and have also held and worked under previous Polk County contracts for Parks and Recreation Engineering Services and a support contract with the Roads and Drainage Division and are very experienced with those County staff as well. Madrid is also currently providing CEI services, pavement evaluation services and asphalt production facility inspection for the Florida Department of Transportation on multiple District-Wide contracts in Districts 1 and 7 (Madrid is currently one of the top consultant providers for State Road, including Interstate, pavement evaluations and asphalt production facility inspection for the FDOT within these two Districts). Madrid also has continuing service contracts with other local municipalities throughout Polk, Hillsborough, and Osceola Counties. Madrid also has experience working for various federal agencies and we regularly work closely with other regulatory agencies such as SWFWMD, SFWMD, USACOE, FDEP, FDOT and others in order to obtain various permits for exploration, testing and construction activities such as for ROW Use permits, ERP's and Notice General Permits. Madrid has a demonstrated ability to work closely with technical staff, project managers, administration, senior management, purchasing staff, legal staff, elected officials, and constitutional officers throughout Polk County Government. This "cross-culturalism" affords key Madrid staff the opportunity to identify partnership opportunities within the various technical or administrative divisions of the County and provides opportunities to suggest or recommend methods for effective and efficient cooperation that result in overall lower initial or life cycle costs for a given project.

Madrid and key staff provide consulting services to numerous public-sector clients throughout Florida and nationally. Some of these include the U.S. Environmental Protection Agency (USEPA), Water Management Districts, Florida Department of Environmental Protection (FDEP), U.S. Army Corps of Engineers (USACOE), Cities within Polk County (Lakeland, Bartow, Winter Haven among others), City and County governments for areas immediately adjacent to Polk County, Florida Department of

Transportation (multiple Districts), and others. Because of our close working relationship with these governmental, regulatory, and public agency clients, Madrid has a demonstrated ability to work efficiently and successfully with all Polk County Divisions under this Master Consulting Agreement

Madrid and key staff have consistently earned high performance evaluation scores for project assignments with Polk County. We are deeply honored that our past performance has been well received and highly scored. We have earned the trust of Polk County project managers and technical staff and believe that this comes from our commitment to excellence as well as a desire to serve them and the citizens of Polk County to the best of our ability.

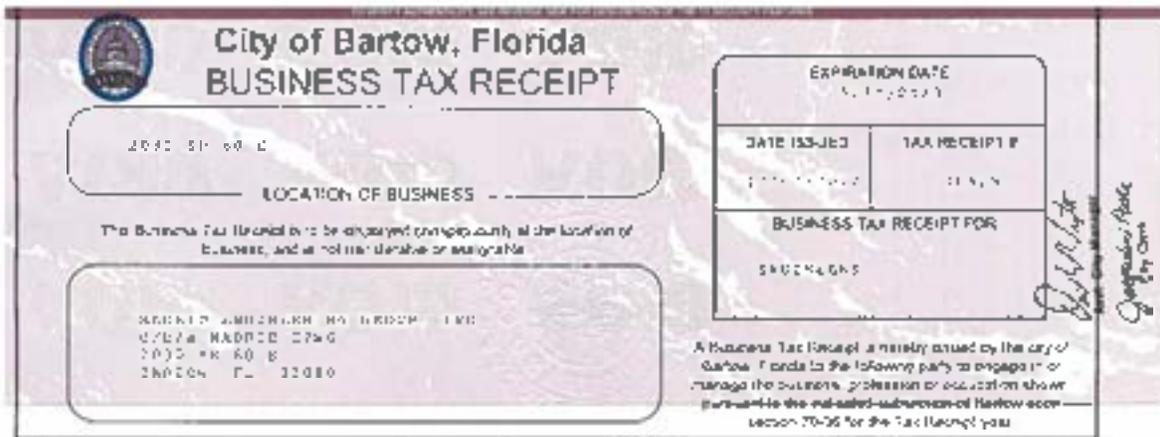
Due to our previous and current work with Polk County, Madrid is intimately familiar with the County's personnel, expectations and procedures. As a long-term consultant to Polk County with key staff enjoying relationships spanning nearly 20 years of service with Polk County, we understand that our actions are a direct reflection of the County and we endeavor to serve all of our public entity clients with the level of courtesy, professionalism and integrity that is befitting this trusted role. The ability to coordinate key aspects of projects between multiple regulatory agencies is one that Madrid prides itself on being able to perform, and our previous work for both public and private sector clients demonstrates our success.

**INTERACTIONS WITH COUNTY AND REGULATORY AGENCY STAFF**

Madrid Engineering Group's main office has been located at 2030 State Road 60 East, Bartow Florida for approximately 15 years. However, we have been in Bartow (Polk County) since 1994. Proof of our current location is shown below with the Business Tax Receipt.

**Madrid's Address History in Polk County**

Mid-1994 to Mid-April 2007	175 E. Summerlin St. Bartow, FL 33830
Mid-April 2007 to April 2008	970 A East Main St. Bartow, FL 33830
April 2008 to Present	2030 State Road 60 East, Bartow, FL 33830



# TAB 5

## Timely Completions of Projects



## TIMELY COMPLETIONS OF PROJECTS

Madrid CPWG has assembled key staff members who will be an integral part of this project and to address the specific needs of this project. While the Crystal Lake Boardwalk Rehabilitation is a relatively small project, we understand the complexity of large projects and the resource commitments required to keep any project on schedule and on budget but also know how to quickly and economically complete even the smallest of tasks.

It should be noted that Madrid CPWG considers this project to be of significant importance, and we are fully committed to giving it the top-priority attention it requires. As such, regardless of the percent availability presented below, to the best of our ability we will be 100% available to the County. We make the following minimum commitments to the County as presented in the Staff Availability Chart below and the sections that follow. It is noted that the table includes key staff only and their availability is often greater than the minimum commitment listed; we also have other staff available that can supplement those listed below.

### Key Staff Availability Chart

Name	Title	Years of Experience	Years with Madrid	% Available	Office Location	Home Location
John Delashaw	Principal Engineer, PE	33	16	20%	Bartow, FL	Winter Haven, FL
Andre Kniazeff	Sr. Geotech Engineer, PE	13	1	35%	Bartow, FL	Brandon, FL
Steve Tarte	Principal in Charge, QA/QC	26	18	15%	Tampa, FL	Tampa, FL
Larry Lackey	Sr. Engineer, PE	40	3	80%	Bartow, FL	North Port, FL
Brett Arenas	Field Services / Drilling Manager	37	3	25%	Bartow, FL	Kissimmee, FL
Jason McSwain	CMT/CEI Manager	16	16	25%	Bartow, FL	Lakeland, FL
Lennon Jordan	Chief Structural Engineer	45	15	40%	Bartow, FL	Bartow, FL
Andy Acosta	Lab Manager	17	2	30%	Bartow, FL	Wimauma, FL
Nancy Tolleson	Civil Engineer	9	2	50%	Bartow, FL	Tampa, FL

### Availability of the Project Team Members

Madrid CPWG has an extensive staff (totaling about 90 personnel) of Florida Registered Professional Engineers, full-time field inspectors and technicians for CMT/ CEI work, geologists, drilling personnel and laboratory technicians. The workload handled by these team members varies significantly from day-to-day and week-to-week, however Madrid prides itself on effectively utilizing its available resources in order to ensure assignments are met. Based on our current and future projected workload, we are confident that Madrid will have the ability and

resources available to meet any and all needs the County may have over the duration of this contract. As previously indicated, it will be the first responsibility of the Project Manager (Mr. Larry Lackey) to communicate with all parties internally and externally, communicate the schedule and expectations, and assign the appropriate personnel and resources to complete the required tasks in a timely manner.

### Project Manager Commitment

Madrid CPWG has selected a Service Area Lead for each of the disciplines utilized under this request. We recognize the important role of these Lead roles and their extensive background



## TIMELY COMPLETIONS OF PROJECTS

and history not only with this specific type of contract, but others completed in the past for numerous Public Agency clients. They will maintain the project's work flow, meet production schedule and project milestones, and we commit to Polk County that this project will be our Project Manager's top priority.

### Schedule

Schedule development and adherence to the schedule is the foundation for effective project management. Dovetailed with the schedule is identifying and complying with scope requirements and the effective management of project budgets. Madrid's project managers and key team members are known for meeting schedules, often completing assignments early, and receive outstanding consultant service evaluations from their clients, both public sector and private. We understand that the design portion of this project has been set for a maximum of 138 days (including all permitting), and it is our commitment to finish all efforts ahead of this deadline

All major activities and deliverables are identified on the schedule established at the beginning of the project; and this schedule is established based on an understanding of the project needs. Deliverable dates are shown as project milestones. Activities required to meet these milestones are identified and prioritized so that critical items are properly addressed and known by all team members. Two areas of particular importance are the identification of applicable review and comment cycles, and consideration of external constraints placed on the schedule by third parties for which there may be little or no control with respect to their timely reviews and/or performance, but that can have a significant impact on project progress.

The capability to meet deadlines is determined in large measure by:

- **Knowledge and Experience of Project Team:** We have selected Project Team members who are very familiar with the County needs, which have successfully worked with and for Counties and Cities throughout Central-Florida, and are also uniquely qualified for their assignments and boast extensive experience on similar projects.
- **Availability of the Project Team Members:** As described earlier, Madrid has examined our current and anticipated workload commitments over the period anticipated for the Continuing Services Contract and confirms that key staff and discipline managers have sufficient time available to properly execute their work on this project and maintain schedules.
- **Project Management Plan:** Our practice on projects of this type is to develop an effective Project Management Plan that includes an identified Project Manager, Chain of Responsibility, Detailed Scope of Work, Schedule, Communications, Project Filing and Archiving, Progress Reporting, Financial Matters, Deliverables, and Coordination Protocols.
- **Maintaining Project Schedule:** Madrid has an internal project scheduling and task management methodology that allows the PM to break down projects into small tasks and assign specific schedules and budgets to the employee completing that task. This allows the employee the ability to ensure their particular task is completed within the specified budget and schedule which helps keep the overall project on track as well.



# TAB 6

## Surveys of Past Performance

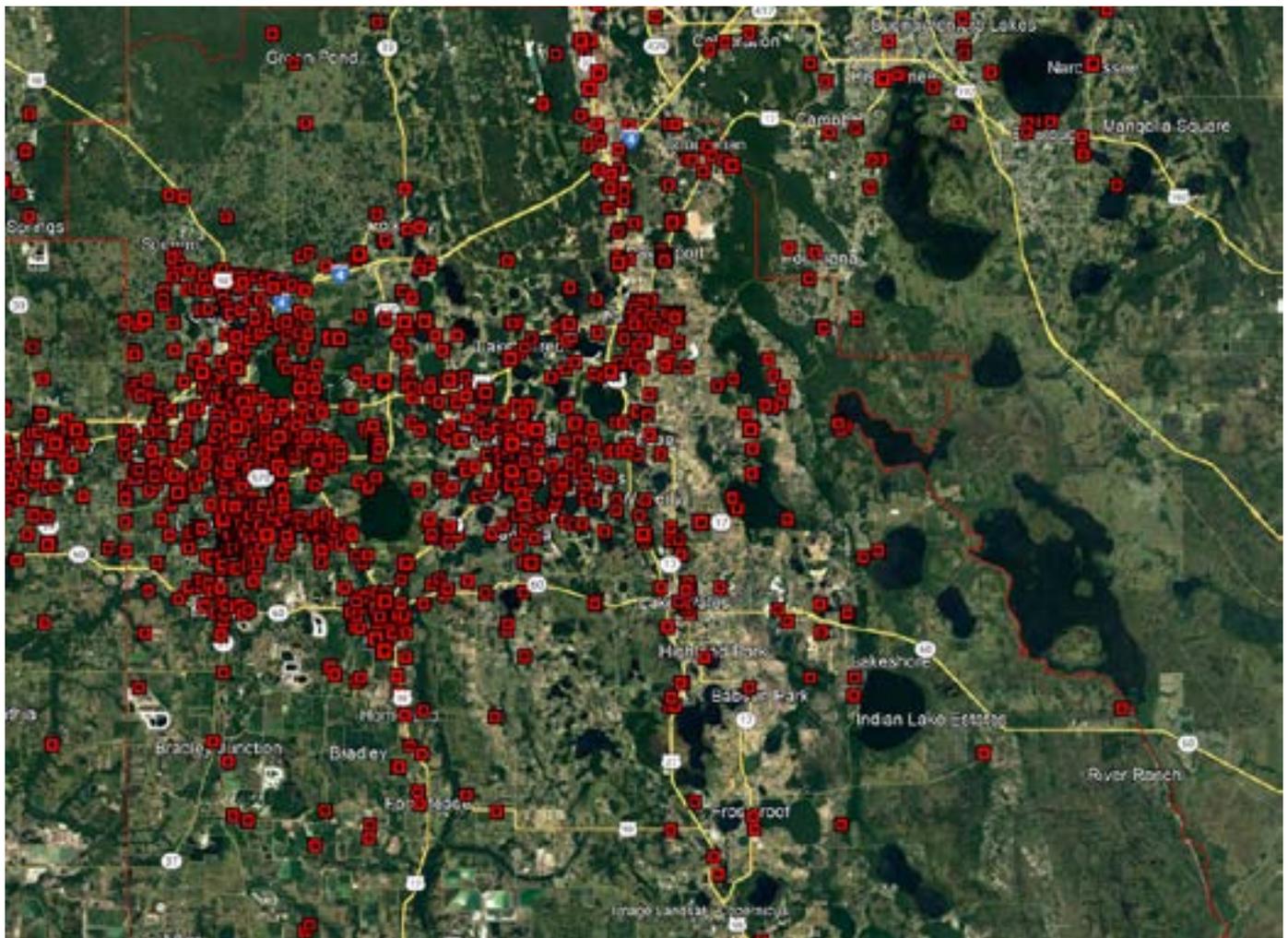


**SURVEYS OF PAST PERFORMANCE**



Madrid has completed many thousands of geotechnical and construction inspection projects across Florida with a majority of those projects in Central Florida and the highest concentration of projects is in Polk County since we are a Polk County based firm. See the map below of our previous projects in the Polk County area (every red square represents a separate project).

See attached surveys of past performance from a few recent projects.



**AT THE READY.**



**SURVEYS OF PAST PERFORMANCE**

**Survey Questionnaire – Polk County**

**RFP 23-572, Structural Professional Engineering Services for Crystal Lake Park Boardwalk**

To: Mike Callender (Name of Person completing survey)

Polk County SOCC - Parks Dept (Name of Client Company/Firm)

Phone Number: 853-534-4340 Email: mikecallender@polk-county.net

Total Annual Budget of Entity Unknown

Subject: Past Performance Survey of Similar work

Project name: IMC/Mosaic Peace River Boardwalk

Name of Firm being surveyed: Madrid Engineering Group, Inc. dba Madrid CPWG

Cost of Services: Original Cost: \$10,600 Ending Cost: \$10,600

Contract Start Date: March 2006 Contract End Date: December 2006

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Firm/individual again) and 1 representing that you were very unsatisfied (and would never hire the Firm/individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

NO	CRITERIA	UNIT	SCORE
1	Ability to manage cost	(1-10)	9
2	Ability to maintain project schedule (complete on-time/early)	(1-10)	10
3	Quality of workmanship	(1-10)	10
4	Professionalism and ability to manage	(1-10)	10
5	Close out process	(1-10)	9
6	Ability to communicate with Client's staff	(1-10)	10
7	Ability to resolve issues promptly	(1-10)	10
8	Ability to follow protocol	(1-10)	10
9	Ability to maintain proper documentation	(1-10)	10
10	Overall Client satisfaction and comfort level in hiring	(1-10)	10
11	Ability to offer solid recommendations	(1-10)	10
12	Ability to facilitate consensus and commitment to the plan of action among staff	(1-10)	10

Printed Name of Evaluator: Mike Callender

Signature of Evaluator: [Handwritten Signature]

Please fax or e-mail the completed survey to \_\_\_\_\_

**SURVEYS OF PAST PERFORMANCE**

To: Steve McMillan (Name of Person completing survey)  
Polk County (Name of Client Company/Contractor)  
 Phone Number: (863)860-8001 Email: SteveMcMillan@polk-county.net

Subject: Past Performance Survey of Similar work:  
 Project name: Polk County Roads and Drainage Annex  
 Name of Vendor being surveyed: Madrid Engineering Group  
 Cost of Services: Original Cost: \$23,570.50 Ending Cost: \$19,222.75  
 Contract Start Date: 09/23/2019 Contract End Date: 07/14/2020

**Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.**

NO	CRITERIA	UNIT	SCORE
1	Ability to manage cost	(1-10)	10
2	Ability to maintain project schedule (complete on-time/early)	(1-10)	10
3	Quality of workmanship	(1-10)	10
4	Professionalism and ability to manage	(1-10)	10
5	Close out process	(1-10)	10
6	Ability to communicate with Client's staff	(1-10)	10
7	Ability to resolve issues promptly	(1-10)	10
8	Ability to follow protocol	(1-10)	10
9	Ability to maintain proper documentation	(1-10)	10
10	Appropriate application of technology	(1-10)	10
11	Overall Client satisfaction and comfort level in hiring	(1-10)	10
12	Ability to offer solid recommendations	(1-10)	10
13	Ability to facilitate consensus and commitment to the plan of action among staff	(1-10)	10

Printed Name of Evaluator Steve McMillan

Signature of Evaluator: *Steve McMillan*

Please fax or email the completed survey to: \_\_\_\_\_





**AT THE READY.**

**Corporate Headquarters I**

2030 State Road 60 East  
Bartow, FL 33830  
(863) 533-9007

**Corporate Headquarters II**

3918 N. Highland Avenue  
Tampa, FL 33603  
(813) 361-2644