ANDERSEN ANDRE CONSULTING ENGINEERS, INC.

Geotechnical Engineering
Construction Materials Testing
Environmental Consulting

May 28, 2019

City of Port St. Lucie
c/o Procurement Management Dept.
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida 34984

**Re: Cover Letter**
**Request for Qualifications RFQu #20190062**
**Professional Geotechnical Engineering Services for**
**Westport Wastewater Treatment Plant Phase II Expansion**

It is with great pleasure that we at *Andersen Andre Consulting Engineers, Inc.* (AACE) present our statement of qualifications for the above-referenced professional Geotechnical Engineering RFQu for the City of Port St. Lucie. Being a current continuing service contract-holder for Geotechnical services and having worked on numerous large-scale infrastructure projects, we fully understand the scope of work required under this contract. Further, since we have worked with CPSL staff on countless projects over the past 13+ years, we are very familiar with the City's needs and expectations. Please refer to Section 2 of this submittal for further discussions on our qualifications, experience as well as an understanding of the scope of work. As you review our qualifications, please consider the following:

- AACE's two Principal Engineers have more than 48 years of combined engineering and testing experience, the vast majority of which has been in Southeast Florida. David P. Andre, P.E. and Peter G. Andersen, P.E. have provided geotechnical engineering services on countless projects within the City of Port St. Lucie, including water and wastewater treatment plants, roadways, intersection improvement projects, drainage construction, utility installations, STAs and institutional structures.

- AACE's President and proposed Contract Manager, David P. Andre, P.E. (email: DAndre@AACEinc.com) has 26 years of engineering experience and has been providing Geotechnical Engineering services to the City of Port St. Lucie since 2001. He is currently managing continuing service contracts with Martin County, Indian River County, Okeechobee County, St. Lucie County, the City of Port St. Lucie, the Martin County School Board and Indian River State College. David is keenly aware of the needs and expectations of public sector clients.

- AACE's staff of Senior Field and Laboratory Technicians, headed by Director of Operations Brian Smith (24+ years of experience), has unsurpassed experience regarding the properties and characteristics of local soils and aggregates, making them a valuable asset to any construction project. Brian and the rest of AACE's technical staff will always work toward the best interests of the City of Port St. Lucie.

- AACE is a locally-owned Geotechnical Engineering and Construction Materials Testing firm with the headquarters located in Port St. Lucie, only minutes away from City Hall. Principal owners David P. Andre, P.E. and Peter G. Andersen, P.E. are able to immediately amend the firm's procedures to efficiently and effectively provide our services to the City, without the need to consult with out-of-town corporate entities.

- AACE is certified by the Florida Department of Transportation (FDOT) to perform engineering services specified in Group 9 - Soil Exploration, Material Testing and Foundations. Specifically, AACE is FDOT-qualified to perform services detailed in Work Groups 9.1 (Soil Exploration), 9.2 (Geotechnical Classification Laboratory Testing), 9.3 (Highway Testing) and 9.4.1 (Standard Foundation Studies). In addition, each of AACE's Senior Field Technicians maintains relevant CTQP and ACI certifications. Further, our soil and concrete testing laboratory is inspected annually and is certified by the Construction Materials Engineering Council (CMEC) and the FDOT.

- AACE is not a "contractor's testing firm". We at AACE pride ourselves on being a public-sector consultant. Our client list primarily includes municipalities, consulting and design engineers, property owners and school boards. We believe that this philosophy reduces the appearance of any impropriety by clarifying the issue of whose interests we are serving (e.g., contractor or owner).

- We understand the importance of the City choosing its consultants wisely. Therefore, we encourage you to contact any or all of the following individuals for an assessment of our abilities and level of service:

1. Ms. Terry Rauth, P.E. - County Engineer, Martin County (772.419.6936)
2. Mr. Brandon Selle, P.E. - Dir. of Engineering, Seacoast Utility Authority (561.627.2900)
3. Ms. Kim Graham, P.E. - County Engineer, St. Lucie County (772.462.1666)
4. Mr. James Ennis, P.E. - County Engineer, Indian River County (772.226.1221)
5. Mr. John Howle - County Engineer, Okeechobee County (863.646.4771)
6. Mr. Sean Donahue, P.E., Assistant Dean of Facilities at IRSC (772.462.7750)
7. Mr. George Dzama, P.E., Capital Improvement Mgr., Martin County (772.463.2837)
8. Mr. Donnie Oden, Capital Improvement Mgr., Okeechobee County (863.763.0805)

We will continue to be a low maintenance consultant to the City of Port St. Lucie. If, after your review of our qualifications, you should have any questions regarding our firm or its employees, please do not hesitate to contact either of the undersigned at (772) 807-9191.

Best Regards,
**ANDERSEN ANDRE CONSULTING ENGINEERS, INC.**

David P. Andre, P.E.
President/Principal Engineer
email: dandre@aaceinc.com

Peter G. Andersen, P.E.
Vice President/Principal Engineer
email: pandersen@aaceinc.com

ANDRE ANDERSEN CONSULTING ENGINEERS INC. CORPORATE SEAL 2005 FLORIDA

# Reply Sheet
## RFQu #20190062
## Geotechnical Services for Westport WWTP Phase II Expansion

1. **ORGANIZATIONAL PROFILE-** COMPANY NAME: **Andersen Andre Consulting Engineers, Inc.**

PHYSICAL ADDRESS: **834 SW Swan Avenue, Port St. Lucie, FL 34983**

MAILING ADDRESS: **834 SW Swan Avenue, Port St. Lucie, FL 34983**

TELEPHONE NUMBER: **(772) 807-9191** FAX NO. **(772) 807-9192**

CONTACT PERSON **David P. Andre** E-MAIL : **dandre@aaceinc.com**

Is the firm incorporated? (Yes) No If yes, in what state? Provide a list of officers for this entity. **Incorporated in Florida**

2. **PROPOSAL RESPONSE- Please attach responses to the following:**

**David Andre - Pres. & Secretary**
**Peter Andersen - V.P. & Treasurer**

- **2.1.** Please provide an Executive Summary.
- **2.2.** Please complete and attach Form 330 part I and II.
- **2.3.** Provide a listing of firm's current contracts.
- **2.4.** What is your proposed Management Plan for this project?
- **2.5.** Explain the overall approach to the project.
- **2.6.** What is your proposed Work Plan for this project?
- **2.7.** Making adjustment for issues that may arise during this project, what is your proposed schedule for this project?
- **2.8.** Does the firm recommend any optional value-added services to this project?
- **2.9.** Has the Proposer or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?
- **2.10.** List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10%) interest: (N/A is not an acceptable answer).
- **2.11.** List any judgements from lawsuits in the last five (5) years: (N/A is not an acceptable answer).
- **2.12.** List any criminal violations and/or convictions of the Proposer and/or any of its principals: (N/A is not an acceptable answer).
- **2.13.** Please provide firm's financial disclosure documents as described in section 8 of this document.
- **2.14.** Is your firm claiming, "Local Preference"? If so, please provide documentation as described is section 8 of this document.
- **2.15.** Does your firm hold a Minority Business Certification as described in section 8 of this document? If so, please attach.
- **2.16.** Using the reference form below please provide five (5) references for projects within the last five (5) years similar in scope to the services described in this RFQu.

3. **VENDOR'S LIST** - If your company offers commodities other than the one (1) specified for this bid, and you wish to be put on the vendor's list, please contact Onvia.com at (800) 711-1712. RFQu Tabulation Reports are advertised on the City's Web Site at www.cityofpsl.com.

4. **INSURANCE CERTIFICATES LICENSE** - Proposers are required, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Proposers are required to submit all licenses and certifications required to perform this project.

5. **COMPLETION OF FORM** - An authorized representative of the firm offering this RFQu must complete this form in its entirety. Terms entered herein shall not be subject to withdrawal or escalation by Proposer. The City reserves the right to hold proposals and bid guarantees for a period not to exceed one hundred twenty (120) calendar days after the date of

the bid opening stated in the Invitation to RFQu before awarding the Contract. Contract award constitutes the date that City Council executes the motion to award the bid.

6. **CONTRACT** - Proposer agrees to comply with all requirements stated in the specifications for this RFQu.

7. **ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in its proposal:

| Addendum Number | Date Issued |
|---|---|
| 1 | May 14, 2019 |
| | |

**CERTIFICATION:**

This RFQu is submitted by: Name (print) David P. Andre who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this RFQu- #20190062 is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud.

The proposer understands that information contained in this Reply will be relied upon by City in awarding the proposed Contract and such information is warranted by the proposer to be true. The undersigned proposer agrees to furnish such additional information, prior to acceptance of any proposal relating to the qualifications of the proposer, as may be required by the City.

I certify that the information and responses provided on this Reply are true, accurate and complete. The City may contact any entity or reference listed in this Reply. Each entity or reference may make any information concerning the Consultant available to the City.

I agree to abide by all conditions of this RFQu.:

_____ President
Signature Title

If a corporation renders this RFQU, the corporate seal attested by the secretary shall be affixed below. Any agent signing this RFQU shall attach to this form evidence of legal authority.

**Witnesses:**

Kerryjoe Clarke
Print name

Ralph Lewis
Print name Ralph Lewis

**If Individual:**

_____
Signature

_____
Print Name

**If Partnership:**

_____
Print Name of Firm

By: _____
(General Partner)

**If Corporation:**

Andersen Andre Consulting Engineers, Inc.
Print Name of Corporation

By: _____ / David P. Andre
(President & Secretary)

Attest: _____ / Peter G. Andersen
(Vice President & Secretary)

# SECTION 2
# PROPOSAL RESPONSE

## SECTION 2.1 EXECUTIVE SUMMARY

It is with great pleasure that we at Andersen Andre Consulting Engineers, Inc. (AACE) present our statement of qualifications for the above-referenced City of Port St. Lucie utility improvement project. As you review our qualifications, please consider the following:

➡ Founded in 2006, AACE is a Professional Engineering Consulting firm licensed to practice in the State of Florida. Our office/soils laboratory is staffed by experienced engineers and senior-level field technicians, and is equipped with all necessary field and laboratory testing equipment. We maintain state-of-the-art equipment for performing both field and laboratory testing, and all equipment is calibrated as required by ASTM, ACI, CMEC, FDOT, etc. (Proof of calibration is always available upon request to any of our clients).

AACE's City of Port St. Lucie office is staffed with the following personnel:

Contract Manager/Senior Geotechnical Engineer: . . . . . **David P. Andre, P.E.** *(26 years experience)*
Alternate Contract Mgr./Senior Project Engineer: . . . . . **Peter G. Andersen, P.E.** *(22 years experience)*
Director of Operations/Senior Field Technician: . . . . . **Brain Smith** *(24 years experience)*
Senior Field/Laboratory Technician . . . . . **Ralph Lewis** *(15 years experience)*
Senior Field Technician: . . . . . **Steve Mathis** *(16 years experience)*
Senior Field Technician: . . . . . **Paul Koch** *(12 years experience)*
Field Technician . . . . . **Everett Tourjee** *(2 years experience)*
Field Technician . . . . . **Kerryjoe Clarke** *(1 year experience)*

➡ AACE always maintains the best interests of the City, and has therefore become a trusted consultant to the City of Port St. Lucie. Our engineers and technicians have provided consulting and testing services on some of the City's largest and most ambitious projects, including Village Parkway, Community Boulevard, the City-wide replacement of more than 50 miles of water main, Crosstown Parkway, and many others. Your Public Works and Utility Dept. staff know that we can be counted upon for all geo-testing needs.

➡ We at AACE are very experienced working on municipal utility projects. AACE's Principal Engineers David Andre, P.E. and Peter Andersen, P.E. have provided engineering consulting and testing services on many local utility projects, including geo-testing services for the City's Glades WWTP, Martin County's Tropical Farms WWTP and numerous projects for Seacoast Utility Authority (S.U.A.), South Martin Regional Utilities and for the Okeechobee Utility Authority (O.U.A.). Treatment plant improvements that AACE has provided geo-testing on include the following:

- *Clarifiers*
- *Water Storage Tanks*
- *Settling tanks*
- *Pipelines*
- *Effluent spray fields*
- *Aeration basins*
- *Membrane basins*
- *Operations buildings*
- *Lift stations*
- *Polishing/settling ponds*
- *Pump stations*
- *Directional drilling installations*

**SECTION 2.1 EXECUTIVE SUMMARY** (CONT'D...pg. 2)

- AACE's staff of Engineers and Technicians have a significant depth and breadth of experience with large-scale utility installation projects. Specifically, AACE was tasked with providing Geotechnical Services and Construction Materials Testing Services during the installation of 50+ miles of water main throughout the City of Port St. Lucie in 2011-2013. AACE's staff of field personnel performed more than 1,000 in-place soil density tests during this project. In addition, AACE provided Geotechnical Engineering Services and Construction Materials Testing during the installation of 4 miles of 36-inch diameter water main along Rangeline Road. With regards to concrete testing, an example of AACE's experience with large-scale projects is the 9-story Tradition Medical Center located in Tradition. During construction of the two phases of the hospital construction (2011-2016), AACE formed and tested 757 sets of concrete cylinders. We are adept and efficient at providing testing services for large-scale projects.

- While neither the project plans nor the Geotechnical Engineering report were available for our review during preparation of this RFQu response package, we understand that there may be a need for a deep soil improvement program to support the weight of the Westport WWTP Phase II expansion. Peter Andersen, P.E. has designed numerous such soil improvement programs, including driven- and cast-in-place piles, vibro-flotation, vibro-replacement, dynamic compaction, soil grouting, soil mixing and rigid inclusions. Peter will be a valuable source of information to the construction and inspection team in this regard.

- AACE's two Principal Engineers have nearly 50 years of combined engineering and testing experience, the vast majority of which has been in Southeast Florida. David P. Andre, P.E. and Peter G. Andersen, P.E. have provided geotechnical engineering services on countless projects within the City of Port St. Lucie, including numerous utility installations (e.g., pipelines, pump stations, WWTP structures, etc.).

- AACE's President and proposed Contract Manager, David P. Andre, P.E. (email: DAndre@AACEinc.com) has 26 years of engineering experience. He is currently managing continuing service contracts with the City of Port St. Lucie, St. Lucie County, Martin County, Indian River County, Okeechobee County, the Martin County School Board and Indian River State College. David is keenly aware of the needs and expectations of public sector clients.

- AACE's staff of Field and Laboratory Technicians, headed by Senior Technician Brian Smith (24 years of experience), has unsurpassed experience regarding the properties and characteristics of local soils and aggregates, making them a valuable asset to any construction project. Brian and the rest of AACE's technical staff will always work toward the best interests of the City of Port St. Lucie.

- AACE is a locally-owned Geotechnical Engineering and Construction Materials Testing firm with the headquarters located in the City of Port St. Lucie, only minutes away from City Hall and the Utility Services Building on Ogden Lane. Principal owners David P. Andre, P.E. and Peter G. Andersen, P.E. are able to immediately amend the firm's procedures to efficiently and effectively provide our services to the City of Port St. Lucie without the need to consult with out-of-town corporate entities.

## SECTION 2.1 EXECUTIVE SUMMARY (CONT'D...pg. 3)

Andersen Andre Consulting Engineers, Inc. is exceptionally qualified to continue to staff this contract. Our FDOT- and CMEC-certified office/soils laboratory, which is located within 15 minutes of Martin County is equipped with all the field and laboratory testing equipment needed to serve this contract. We maintain in-house drilling capabilities with our Diedrich D25 Drill Rig equipped with a state-of-the-art automatic SPT hammer. Additionally, our personnel have a significant breadth and depth of experience providing Geotechnical Engineering and Construction Materials Testing on public sector projects, including utility installations, roadways, parking lots, bridges, public parks, municipal buildings (low and high rise), stormwater treatment areas, and other miscellaneous construction. Tests that we at AACE have the ability to perform/coordinate include, but are not limited to:


### Geotechnical Testing

- Standard Proctor (ASTM D698) and Modified Proctor (ASTM D1557)
- Limerock Bearing Ratio (LBR), FDOT Method FM5-515
- In-Place Density and Moisture Testing
  (using either the Nuclear Density Gauge or the Drive Cylinder Method)
- Florida Bearing Value (FBV)
- Unconfined Compression
- Grain Size Analysis (Mechanical)
- Single Sieve Analysis (-200 Wash)
- Grain Size Analysis (Hydrometer)
- Atterberg Limits
- Laboratory Permeabilities
- Chemical Analyses (carbonate content), resistivity, chlorides, sulfates, pH
- Organic Content
- Standard Penetration Test (SPT) Borings
- Undisturbed Sampling
- Power Auger Borings
- SFWMD Field Exfiltration Tests
- Manual Auger Borings

### Concrete Testing

- Concrete Cylinders: slump test, casting, transporting, curing and testing
- Air Content
- Unit Weight of Concrete
- Absorption
- Windsor Probe
- Swiss Hammer Test
- Field Coring (2", 4" and/or 6" cores)
- Compression Testing of Field Cores
- Mortar and Masonry Cubes/Prisms

**SECTION 2.1 EXECUTIVE SUMMARY** (CONT'D...pg. 4)

Asphalt Testing
- Stability Tests (Hubbard and/or Marshall)
- Bitumen Content (extraction)
- Sieve Analysis of Extracted Aggregate
- Pavement Section Thickness Determination using 2" or 4" Core Drill
- Specific Gravity of Asphalt Cores for Density Determination
- Asphalt Compressive Strength

Engineering Services
- Principal Engineer
- Senior Project Engineer
- Project Engineer
- Draftsperson/AutoCadd Operator
- Field Technician/Inspector
- Technical Secretary

We understand the importance of the City choosing its consultants wisely. Therefore, we encourage you to contact any or all of the following individuals for an assessment of our abilities and level of service:

1. Ms. Terry Rauth, P.E. - County Engineer, Martin County (772.419.6936)
2. Mr. Brandon Selle, P.E. - Dir. of Engineering, Seacoast Utility Authority (561.627.2900)
3. Ms. Kim Graham, P.E. - County Engineer, St. Lucie County (772.462.1666)
4. Mr. James Ennis, P.E. - County Engineer, Indian River County (772.226.1221)
5. Mr. John Howle - County Engineer, Okeechobee County (863.646.4771)
6. Mr. Sean Donahue, P.E., Assistant Dean of Facilities at IRSC (772.462.7750)
7. Mr. George Dzama, P.E., Capital Improvement Mgr., Martin County (772.463.2837)
8. Mr. Donnie Oden, Capital Improvement Mgr., Okeechobee County (863.763.0805)

We will continue to be a trusted, low maintenance consultant to the City of Port St. Lucie through this testing contract. If, after your review of our qualifications, you should have any questions regarding our firm or its employees, please do not hesitate to contact either David Andre, P.E. or Peter Andersen, P.E. at (772) 807-9191.

**ARCHITECT – ENGINEER QUALIFICATIONS**
**PART I – CONTRACT-SPECIFIC QUALIFICATIONS**
**A. CONTRACT INFORMATION**

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

**City of Port St. Lucie – Professional Geotechnical Services for Westport WWTP Phase II Expansion**

| 2. PUBLIC NOTICE DATE | 3. SOLICITATION OR PROJECT NUMBER |
|---|---|
| **April 23, 2019** | **RFQu #20190062** |

**B. ARCHITECT-ENGINEER POINT OF CONTACT**

4. NAME AND TITLE

**David P. Andre, P.E., Principal**

5. NAME OF FIRM

**Andersen Andre Consulting Engineers, Inc. (AACE)**
**834 SW Swan Avenue**
**Port St. Lucie, Florida 34983**

| 6. TELEPHONE NUMBER | 7. FAX NUMBER | 8. E-MAIL ADDRESS |
|---|---|---|
| **772-807-9191** | **772-807-9192** | **DAndre@aaceinc.com** |

**C. PROPOSED TEAM**
(Complete this section for the prime contractor and all key subcontractors.)

| | (Check) PRIME | J-V PARTNER | SUBCON-TRACTOR | 9. FIRM NAME | 10. ADDRESS | 11. ROLE IN THIS CONTRACT |
|---|---|---|---|---|---|---|
| a. | | | | ☐ CHECK IF BRANCH OFFICE | | |
| b. | | | | ☐ CHECK IF BRANCH OFFICE | | |
| c. | | | | ☐ CHECK IF BRANCH OFFICE | | |
| d. | | | | ☐ CHECK IF BRANCH OFFICE | | |
| e. | | | | ☐ CHECK IF BRANCH OFFICE | | |
| f. | | | | ☐ CHECK IF BRANCH OFFICE | | |

**D. ORGANIZATIONAL CHART OF PROPOSED TEAM** ☐ *(Attached)*


## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| 12. NAME | 13. ROLE IN THIS CONTRACT | 14. YEARS EXPERIENCE | |
|---|---|---|---|
| | | a. TOTAL | b. WITH CURRENT FIRM |
| **David P. Andre, P.E.** | Project/Contract Manager | 26 | 13+ |

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

| 16. EDUCATION (Degree and Specialization) | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) |
|---|---|
| Bachelor of Science in Environmental Engineering, University of Florida (1993);Post Graduate Coursework in Geotechnical Engineering, University of Central Florida (1997-1998); | Professional Engineer (Discipline of Civil Engineering) in the State of Florida (No. 53969) |

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

David is experienced providing geotechnical engineering and materials testing services for roadway and utility construction, infrastructure improvements, and site preparation as well as general environmental consulting relative to subsurface contamination.

**19. RELEVANT PROJECTS**

A.

(1) TITLE AND LOCATION (City and State)

**Continuing Service Contract, City of Port St. Lucie, (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2007-2011<br>2016-Ongoing | N/A |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

David was the Contract Manager when AACE maintained a continuing service contract with the City of Port St. Lucie for geotechnical engineering and construction materials testing until 2011 (when the City discontinued all professional service contracts), and then again when the service contracts were reinstituted in 2016. Services that AACE routinely provides for the CPSL include the performance of soil borings (SPT and auger borings), test pits, groundwater studies, roadway coring, embankment suitability studies, and all manner of materials, testing during construction (density & concrete testing). Projects have included City-wide culvert and headwall replacements, roadway explorations and testing, utility installations (including more than 50 miles of water main), STA construction, municipal building construction, etc. Project budgets have ranged from $500 to $500,000.

B.

(1) TITLE AND LOCATION (City and State)

**PSLUSD City-Wide Water Main Replacement (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2011 | 2013 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

David was AACE's Project manager when AACE was requested to provide Geotechnical Consulting and Construction Materials Testing services relative to the expedited replacement of more than 50 miles of water main (ranging from 4-inch diameter to 12-inch diameter mains) throughout the central and eastern portions of Port St. Lucie. Thousands of density tests were conducted on pipe trench backfill. Due to potential impacts to residents and businesses, numerous operations were performed between the hours of 10pm and 6am, requiring a full-time presence by an AACE Senior Field Technician. AACE's budget was approximately $185,000.

C.

(1) TITLE AND LOCATION (City and State)

**Westmoreland Boulevard (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2007 | 2008 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

David served as Project Manager for this roadway soil survey consisting of soil borings and roadway cores, mast-arm signal pole recommendations, lake explorations relative to soil suitability. Construction materials testing consisting of full-time density testing, LBRs, paving and subgrade inspections and compressive strength of concrete testing. AACE's budget was approximately $35,000.

D.

(1) TITLE AND LOCATION (City and State)

**Becker Road - Segments 1 and 2 (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2007 | 2010 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

David served as Project Manager for this roadway soil survey consisting of soil borings to further characterize reported "unsuitable plastic soils", mast-arm signal pole recommendations, significant lake explorations relative to soil suitability. Construction materials testing consisting of full-time density testing, LBRs, paving and subgrade inspections and compressive strength of concrete testing. AACE's budget was approximately $300,000.

E.

(1) TITLE AND LOCATION (City and State)

**Village Parkway, Phases I & II (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2007 | 2011 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

David served as Project Manager for this roadway soil survey consisting of more than 200 soil borings, recommendations relative to roadway construction through 2,000 l.f. of water-filled reservoir, mast-arm signal pole recommendations, surcharging compressible clays, lake explorations relative to soil suitability. Construction materials testing consisting of over 5,000 density tests, 200+ sets of concrete cylinders for compressive strength, 75+ LBRs and as many as four (4) field technicians providing Quality Control service. AACE's budget was approximately $400,000.

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**
(Complete one Section E for each key person.)

| 12. NAME | 13. ROLE IN THIS CONTRACT | 14. YEARS EXPERIENCE | |
|---|---|---|---|
| | | a. TOTAL | b. WITH CURRENT FIRM |
| **Peter G. Andersen, P.E.** | Senior Geotechnical Engineer | 22 | 13+ |

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

| 16. EDUCATION (Degree and Specialization) | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) |
|---|---|
| Masters of Science in Geotechnical Engineering, University of Florida (1997); Bachelor of Science in Civil/Structural Engineering, Technical University of Denmark (1995) | Professional Engineer (Discipline of Civil Engineering) in the State of Florida (No. 57956) |

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Peter is experienced providing geotechnical engineering and materials testing for roadway and intersection improvements, utility installations, low- and high-rise structures (including deep-foundation alternatives), STAs, solid waste facilities and port/harbor facilities.

**19. RELEVANT PROJECTS**

A.

(1) TITLE AND LOCATION (City and State): **Crosstown Parkway, from Manth to Floresta (Port St. Lucie, FL)**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014 | CONSTRUCTION (if applicable): Ongoing

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Peter served as Project Manager and Senior Geotechnical Engineer for this roadway soil survey consisting of more than 100 soil borings (auger and SPT borings), pavement coring, field exfiltration testing and drilled shaft analyses. Peter provided recommendations relative to roadway construction and mast-arm signal pole recommendations. AACE also performed Level 2 Contamination Screening at several locations along the proposed alternative (Alternative 1C). AACE's budget was approximately $90,000.

B.

(1) TITLE AND LOCATION (City and State): **Community Boulevard (Port St. Lucie, FL)**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2009 | CONSTRUCTION (if applicable): 2010

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Peter served as Senior Geotechnical Engineer for this roadway soil survey consisting of more than 50 soil borings, mast-arm signal pole recommendations, lake explorations relative to soil suitability. Construction materials testing consisting of over 2,000 density tests, 50+ LBRs, paving and subgrade inspections and demucking observations. AACE's budget was approximately $150,000.

C.

(1) TITLE AND LOCATION (City and State): **Village Parkway, Phases I & II (Port St. Lucie, FL)**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007 | CONSTRUCTION (if applicable): 2011

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Peter served as Senior Geotechnical Engineer for this roadway soil survey consisting of more than 200 soil borings, recommendations relative to roadway construction through 2,000 l.f. of water-filled reservoir, mast-arm signal pole recommendations, surcharging compressible clays, lake explorations relative to soil suitability. Construction materials testing consisting of over 5,000 density tests, 200+ sets of concrete cylinders for compressive strength, 75+ LBRs and as many as four (4) field technicians providing Quality Control services. AACE's budget was approximately $400,000.

D.

(1) TITLE AND LOCATION (City and State): **Rosser Boulevard (Port St. Lucie, FL)**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007 | CONSTRUCTION (if applicable): 2008

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Peter served as Senior Geotechnical Engineer for this roadway soil survey consisting of soil borings and roadway cores, mast-arm signal pole recommendations, lake explorations relative to soil suitability. Construction materials testing consisting of full-time density testing, LBRs, paving and subgrade inspections and compressive strength of concrete testing. AACE's budget was approximately $45,000.

E.

(1) TITLE AND LOCATION (City and State): **Tradition Medical Center 9-Story Hospital (Tradition, Port St. Lucie, FL)**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 | CONSTRUCTION (if applicable): 2016

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

AACE was retained by Martin Health System to prepare a subsurface soil exploration and Geotechnical Engineering Evaluation of the proposed Tradition Medical Center (TMC) facility in 2011. Peter Andersen, P.E. coordinated the performance of numerous SPT borings to evaluate the suitability of the site's soils to support the then-proposed 9-story hospital structure, 4-story parking garage and numerous ancillary site features. Due to the presence of very loose silty soils and the associated risk of excessive settlements, a recommendation of Vibro Replacement Technique (VRT, or "stone columns") was made. AACE was then selected by the Owner to perform construction materials testing for Phase I of the project, including earthwork observations, density testing, fill placement monitoring, concrete testing, etc. Subsequently, in 2014, AACE was retained by the Owner to provide supplemental Geotechnical Engineering services for Phase II of the project including two wing additions, increased parking and significant utility and drainage improvements. AACE Geotechnical Engineering and Materials Testing budget was approximately $400,000.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| 12. NAME | 13. ROLE IN THIS CONTRACT | 14. YEARS EXPERIENCE | |
|---|---|---|---|
| | | a. TOTAL | b. WITH CURRENT FIRM |
| **Brian K. Smith** | Senior Technician/Director of Operations | 22 | 12 |

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

16. EDUCATION (Degree and Specialization)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

ACI Level I Technician, ACI Aggregate Base Testing Technician
Nuclear Gauge Soil Density Certified, Radiation Safety Officer
FDOT/CTQP LBR Technician
FDOT/CTQP Aggregate Base Testing Technician
FDOT/CTQP Qualified Sampler Technician
FDOT/CTQP ECI 1 & 2 Earthwork Technician
FDOT/CTQP Aggregate Field Testing
FDOT/CTQP Asphalt Plant Level 1
FDOT/CTQP Concrete Lab Technician Level 1
FDOT/CTQP Concrete Field Inspector Level 1
CMEC Laboratory Soil Technician

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Brian Smith conducts field and laboratory operations within Andersen Andre Consulting Engineers, Inc. (AACE). He is responsible for conducting services such as soil density testing, compressive strength of concrete testing, etc. Brian has performed such services for both private and public sector clients, including St. Lucie County Department of Engineering, Okeechobee County, Martin County, the City of Port St. Lucie and FDOT. Brian has been conducting construction materials testing services and field explorations in south Florida for 22 years. He has served as field manager on hundreds of testing programs for developments of all types, including roadways, multi-story buildings, bridges, auger-cast and driven pile installation projects, etc.

**19. RELEVANT PROJECTS**

A.

(1) TITLE AND LOCATION (City and State)

**SR 76 (Kanner Highway) and I-95 Interchange Improvements (Martin County, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2015 | 2017 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Due to excessive traffic congestion, Martin County and the FDOT partnered (through a LAP agreement) to construct improvements to Kanner Highway and the on- and off-ramps of Interstate 95. Improvements included lane widening, construction of additional turn lanes, drainage improvements, installation of drilled shafts for new mast-arm signalization, removal of unsuitable soils, and the construction of several retaining walls. AACE, through our continuing service contract with Martin County, was requested to perform construction materials testing services for the improvements in accordance with all applicable FDOT specifications. AACE's team of FDOT/CTQP-certified technicians, led by Brian Smith, performed significant testing for the project. AACE's budget was approximately $240,000.

B.

(1) TITLE AND LOCATION (City and State)

**Discovery Way, East & West (Port St. Lucie, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2009 | 2010 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Brian served as Senior Field Technician and assisted with AACE's Roadway Soil Survey by performing more than 50 soil borings. Subsequent to design of the roadway, Brian was instrumental during construction as he routinely performed demucking and ditch reclamation observations, soil and rock density testing, concrete testing, paving observations and laboratory testing (Proctors, LBRs, percent-fines, etc.). Construction materials testing consisting of over 1,000 density tests, 20+ LBRs, paving and subgrade inspections and demucking observations. AACE's budget was approximately $60,000.

C.

(1) TITLE AND LOCATION (City and State)

**Westmoreland Boulevard (Port St. Lucie, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2007 | 2008 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Brian served as Senior Field Technician and performed soil borings and roadway coring operations during design of Westmoreland Boulevard. Subsequent to design of the roadway, Brian performed demucking observations, soil and rock density testing, concrete testing, paving observations and laboratory testing (Proctors, LBRs, percent-fines, etc.) on a full-time basis. AACE's budget was approximately $35,000.

D.

(1) TITLE AND LOCATION (City and State)

**Railroad Avenue Reconstruction (Stuart, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2012 | 2013 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Brian served as Senior Field Technician and was AACE's full-time testing technician and also performed supplemental CEI services at the request of the Martin County Engineering Department. Brian performed soil and rock density testing, concrete sampling and testing as well as observing the installation of utilities, drainage structures and piping, base rock placement and paving. AACE's budget was approximately $60,000.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| 12. NAME | 13. ROLE IN THIS CONTRACT | 14. YEARS EXPERIENCE | |
|---|---|---|---|
| | | a. TOTAL | b. WITH CURRENT FIRM |
| **Ralph Lewis** | Laboratory Mgr., Senior Field Technician | 14 | 10 |

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

16. EDUCATION (Degree and Specialization)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

ACI Level I Technician, ACI Aggregate Base Testing Technician
Nuclear Gauge Soil Density Certified, Radiation Safety Officer
FDOT/CTQP ECI 1 Earthwork Technician
FDOT/CTQP Asphalt Paving Level 1

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Ralph Lewis conducts field and laboratory operations within Andersen Andre Consulting Engineers, Inc. (AACE). He is responsible for conducting services such as soil density testing, compressive strength of concrete testing, etc. Ralph has performed such services for both private and public sector clients, including for Okeechobee County, Martin County, Indian River County, the City of Port St. Lucie and FDOT. Ralph has been conducting construction materials testing services and field explorations in south Florida for 12 years. He has served as field manager on hundreds of testing programs for developments of all types, including roadways, multi-story buildings, bridges, stormwater improvement projects and utility installations.

**19. RELEVANT PROJECTS**

A.

(1) TITLE AND LOCATION (City and State)

**Rangeline Road Water Main Installation (Port St. Lucie, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2011 | 2012 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ralph served as Senior Field Technician and performed soil and rock density testing, concrete testing and laboratory testing (Proctors, LBRs, percent-fines, etc.).

B.

(1) TITLE AND LOCATION (City and State)

**Rosser Boulevard Full-Depth-Reclamation and Sidewalk Construction (Port St. Lucie, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2017 | 2017 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ralph served as Senior Field Technician and performed soil and rock density testing, concrete testing and laboratory testing (Proctors, LBRs, percent-fines, etc.) for this City roadway. Ralph also performed roadway coring, asphalt testing and sidewalk subgrade inspections.

C.

(1) TITLE AND LOCATION (City and State)

**Cypress Creek STA (Martin County, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2013 | 2014 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Ralph served as Senior Field Technician and performed soil density testing, concrete testing, laboratory testing (Proctors, LBRs, percent-fines, etc.) as well as sheet pile driving monitoring during construction of this STA in Martin County.

D.

(1) TITLE AND LOCATION (City and State)

**Floresta Roundabout Construction (Port St. Lucie, FL)**

(2) YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
|---|---|
| 2014 | 2014 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Ralph served as Senior Field Technician and performed soil and rock density testing, concrete testing and laboratory testing (Proctors, LBRs, percent-fines, etc.) for this traffic calming construction project.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| 12. NAME | 13. ROLE IN THIS CONTRACT | 14. YEARS EXPERIENCE | |
|---|---|---|---|
| | | a. TOTAL | b. WITH CURRENT FIRM |
| **Steve Mathis** | Senior Field Technician | 16 | 7 |

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

| 16. EDUCATION (Degree and Specialization) | 17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) |
|---|---|
| | ACI Level I Technician, ACI Aggregate Base Testing Technician<br>Nuclear Gauge Soil Density Certified, Radiation Safety Officer<br>FDOT/CTQP ECI 1 Earthwork Technician (Scheduled for Renewal) |

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Steve Mathis conducts field and laboratory operations within Andersen Andre Consulting Engineers, Inc. (AACE). He is responsible for conducting services such as soil density testing, compressive strength of concrete testing, etc. Steve has performed such services for both private and public sector clients, including for the City of Port St. Lucie, Okeechobee County, Martin County, Indian River County, the City of Fort Pierce, Indian River County and the FDOT. Steve has been conducting construction materials testing services and field explorations in south Florida for more than 16 years. He has served as field manager on hundreds of testing programs for developments of all types, including roadways, multi-story buildings, bridges, stormwater improvement projects and utility installations.

**19. RELEVANT PROJECTS**

A.

(1) TITLE AND LOCATION (City and State)

**City of Port St. Lucie City-Wide Water Main Installation (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2012 | 2013 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Steve served as Senior Field Technician and performed soil and rock density testing, concrete testing and laboratory testing (Proctors, LBRs, percent-fines, etc.) for this project that included installation of 50+ miles of new water main.

B.

(1) TITLE AND LOCATION (City and State)

**Indian River County Intergenerational Rec. Center (Vero Beach, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2014 | Ongoing |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X] Check if project performed with current firm

Steve, along with Ralph Lewis, served as Senior Field Technician and performed soil and rock density testing, concrete testing and laboratory testing (Proctors, LBRs, percent-fines, etc.) fire-proofing thickness for this County-owned recreational center.

C.

(1) TITLE AND LOCATION (City and State)

**Discovery Way Extension/TMC Access Road (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2013 | 2014 |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Steve served as Senior Field Technician and performed soil density testing, concrete testing, laboratory testing (Proctors, LBRs, percent-fines, etc.) as well as ditch demucking observations during this roadway construction project.

D.

(1) TITLE AND LOCATION (City and State)

**McCarty Ranch Water Quality Project - PSLUSD (Port St. Lucie, FL)**

| (2) YEAR COMPLETED | |
|---|---|
| PROFESSIONAL SERVICES | CONSTRUCTION (if applicable) |
| 2017 | Ongoing |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

[X ] Check if project performed with current firm

Steve is AACE's Senior Field Technician for density testing during the construction of the City's 200-acre water retention/treatment reservoir located at the McCarty Ranch property. Services that AACE routinely performs include stripping/grubbing inspections, density testing of berm soils and laboratory testing of bulk samples (Proctors, percent-fines, organic content, etc.).

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 1

21. TITLE AND LOCATION (City and State)

## Port St. Lucie City-Wide Water Main Replacement Project (Port St. Lucie, Florida)

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2013 | 2013 |

23. PROJECT OWNER'S INFORMATION

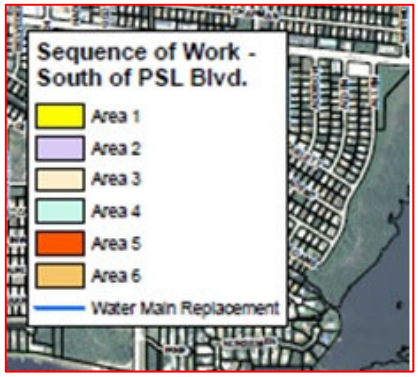
| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Port St. Lucie Utility Services Dept. | Mr. Laney Southerly | (772) 873-6442 |

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

AACE was requested to provide Geotechnical Consulting and Construction Materials Testing services relative to the expedited replacement of more than 50 miles of water main (ranging from 4-inch diameter to 12-inch diameter mains) throughout the central and eastern portions of Port St. Lucie. Thousands of density tests were conducted on pipe trench backfill. Due to potential impacts to residents and businesses, numerous operations were performed between the hours of 10pm and 6am, requiring a full-time presence by an AACE Senior Field Technician. Services that AACE performed included the following:

- Laboratory Proctor and LBR Testing
- More than 1,000 Density Tests for Trench Backfill and Roadway Base Rock
- Sampling of Water for Bacteriological (Bac-T) Testing
- Concrete Testing for Sidewalk and Driveway Repairs

AACE's budget for the project was approximately $150,000. Our services were performed between 2011 and 2013.





25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| a. | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to the City of Port St. Lucie Utility Svcs. Dept. |
| b. | | | |
| c. | | | |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 2

21. TITLE AND LOCATION (City and State)

**Seacoast Utility Authority (S.U.A.) Misc. Projects (Palm Beach Gardens, Florida)**

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| Ongoing | Ongoing |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Seacoast Utility Authority | Mr. Brandon Selle, P.E. | (561) 627-2900 |

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

AACE is a trusted Geotechnical Engineering consultant to the Seacoast Utility Authority (SUA). AACE is repeatedly requested to provide geo-testing services on a myriad of utility projects, including (but not limited to) the following:

- Hood Road Water Treatment Plant Tank #6
- SUA Ground Storage Tank #7
- Palmwood Road Force Main Extension
- PGA SUA WWTP Storage Building Addition
- Central Ave. and Hood Road HDD Water Main
- Ellison Wilson Road Lift Station
- SUA Intracoastal Waterway HDD Force Main
- SUA Road Lane Force Main Extension
- SUA Lighthouse Drive Force Main Extension
- PGA/SUA Aeration Blower Building
- SUA Western Community Pipeline Extension
- SUA PGA WWTP Pavement Restoration

Services that AACE has provided to SUA, either directly or through a subconsultant agreement with SUA's Civil Engineering consultants, include SPT and auger borings, pavement coring, LBR and Proctor testing, and density testing.

AACE's budgets for the various projects range from $1,500 to $7,500. Our services are on-going and commenced circa 2013.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| a. | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to SUA and also through SUA's Civil consultants. |
| b. | | | |
| c. | | | |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 3

21. TITLE AND LOCATION (City and State)

**Port St. Lucie City Rangeline Road 36" Water Main Design and Construction Project (Port St. Lucie, Florida)**

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2010 | 2011 |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Port St. Lucie Utility Services Dept. | Mr. Rich Schoenborne, P.E. | (772) 873-6485 |

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

AACE was requested to prepare a Geotechnical Engineering Evaluation of a proposed 4-mile pipeline route for a planned 36" water main along Rangeline Road in western Port St. Lucie, from the C-23 Canal to the Rangeline Repump Station. The project also entailed the construction of a directional bore beneath the C-23 Canal and a "booster" pump station at the C-23. AACE performed numerous SPT borings relative to the directional bore and also for the pump station to provide estimates of allowable bearing pressure, as well as to inform the directional bore contractor about expected subsurface conditions. AACE also performed 43 auger borings along the 4-mile route to provide soil and groundwater conditions for the design and construction of the pipeline. Upon completion of the design phase, AACE was contracted to perform Construction Materials Testing for the pipeline as well as for the pump station. AACE's services commenced in 2010 (design) and concluded in 2012 (construction). Services that AACE performed included the following:

- Standard Penetration Test (SPT) borings
- Auger borings
- Laboratory Proctor and LBR testing
- Soil density testing of water main trench backfill
- Soil density testing of booster pump station building pad
- Concrete testing for pump station


AACE's budget was $12,000 for the design phase and $24,000 for Construction Materials Testing phase.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| a. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to the City of Port St. Lucie Utility Svcs. Dept. |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 4

21. TITLE AND LOCATION (City and State)

**Port St. Lucie City Southport 24" Force Main "Backbone" Design and Construction Project (Port St. Lucie, Florida)**

22. YEAR COMPLETED

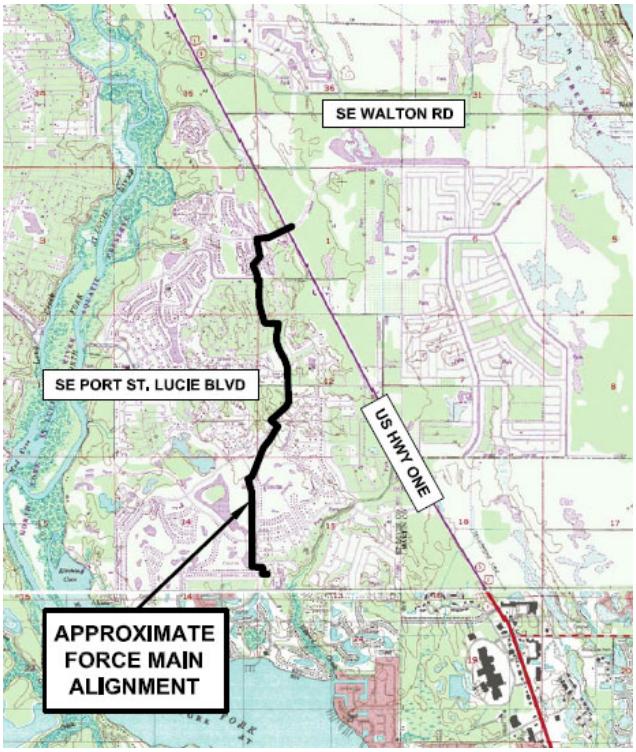
| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2018 | Ongoing |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Port St. Lucie Utility Services Dept. | Mr. Laney Southerly, P.E. | (772) 873-6442 |

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

Partnered with CAPTEC Engineering, Inc., AACE was requested to prepare a Geotechnical Engineering Evaluation of a proposed 3-mile route for a planned 24" "backbone" force main in eastern Port St. Lucie, from the Southport Booster Pump Station to the intersection of US 1 and Tiffany Avenue. The project also entailed the construction of several directional bores along the pipeline alignment. AACE performed numerous SPT borings relative to the directional bores for the purpose of informing the bidding contractors about expected subsurface conditions. AACE also performed 26 pavement cores and auger borings along the 3-mile pipeline route to provide soil and groundwater conditions for the design and construction of the pipeline. Upon completion of the design phase, AACE was contracted to perform Construction Materials Testing for the pipeline (ongoing). Services that AACE performed included the following:




- Standard Penetration Test (SPT) borings
- Auger borings
- Laboratory Proctor and LBR testing
- Soil density testing of water main trench backfill
- Soil density testing of driveway, roadway and sidewalk subgrade
- Concrete testing for driveways and sidewalks
- Asphalt roadway coring

AACE's budget was $17,000 for the design phase and $61,000 for Construction Materials Testing phase.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| a. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted with CAPTEC Engineering, Inc. |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 5

21. TITLE AND LOCATION (City and State)

**Tradition Medical Center (TMC), Phases I & II (Tradition, Port St. Lucie, Florida)**

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2011 | 2017 |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Martin Health System | Mr. Matt Kelly | (772) 223-5945 |

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

AACE was retained by Martin Health System to prepare a subsurface soil exploration and Geotechnical Engineering Evaluation of the proposed Tradition Medical Center (TMC) facility in 2011. Peter Andersen, P.E. coordinated the performance of numerous SPT borings to evaluate the suitability of the site's soils to support the then-proposed 9-story hospital structure, 4-story parking garage and numerous ancillary site features. Due to the presence of very loose silty soils and the associated risk of excessive settlements, a recommendation of Vibro Replacement Technique (VRT, or "stone columns") was made. AACE's engineering staff assisted the Owner in interviewing VRT contractors and subsequently monitored the VRT for adherence to the project's specifications and the relative effectiveness of the treatment. AACE was then selected by the Owner to perform construction materials testing for Phase I of the project, including earthwork observations, density testing, fill placement monitoring, concrete testing, etc. Subsequently, in 2014, AACE was retained by the Owner to provide supplemental Geotechnical Engineering services for Phase II of the project including two wing additions, increased parking and significant utility and drainage improvements. *We note that much of our services was performed alongside CPSL and PSLUSD personnel, including subgrade inspections, utility backfill, and the preparation of a density log book in accordance with PSLUSD specifications*. Services that AACE provided included the following:

- Soil borings (SPT and auger)
- Demucking estimates and monitoring
- Geotechnical Engineering analyses
- VRT Monitoring
- Soil and rock density testing
- Fill placement monitoring
- Concrete compressive strength testing
- Laboratory testing (including LBR and Proctor testing)
- Asphalt paving monitoring and testing
- Drainage explorations
- Water quality evaluation for Chiller Systems
- Paint thickness and Spray-On fire proofing thickness measurements

AACE's budget for the project was approximately $400,000.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| a. | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to the Owner |
| b. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 6

21. TITLE AND LOCATION (City and State)

## Crosstown Parkway, from Manth Lane to Floresta Drive, and U.S. Highway 1 at Village Green Drive (Port St. Lucie, Florida)

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2014 | Ongoing |

23. PROJECT OWNER'S INFORMATION

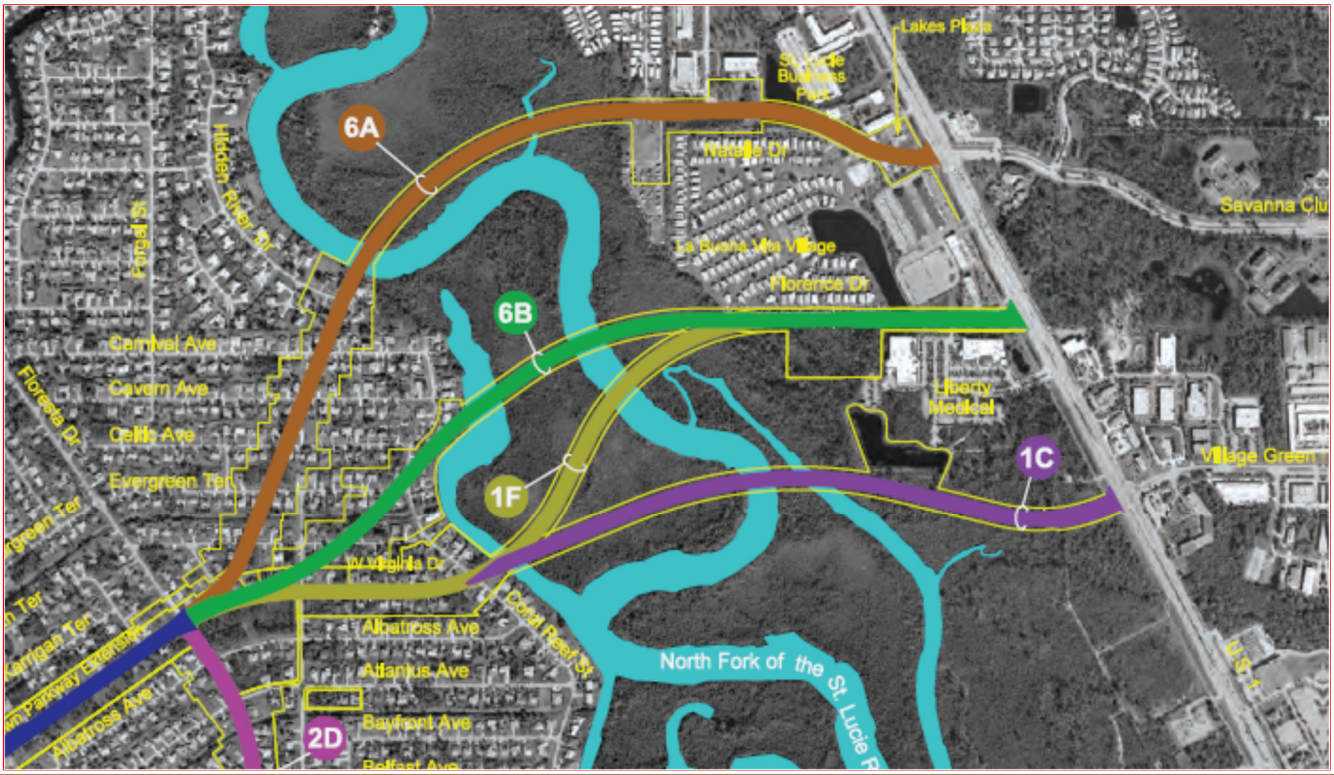
| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| City of Port St. Lucie | c/o Mr. Brian Mirson with American Consulting Professionals | (561) 253-9550 |

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

AACE was included on a team of engineering firms to prepare the Design Build Criteria package for the final segment of the City's Crosstown Parkway project. Headed by American Consulting Professionals, AACE was one of two Geotechnical Engineering firms that provided subsurface consulting for the project. Specifically, AACE provided the following services for Alternative 1C extending Crosstown Parkway from Manth Lane, across the North Fork of the St. Lucie River, to U.S. Highway 1, at it's intersection with Village Green Drive (approximately 1.96 miles):

- Reviewed existing soil information along the alignment;
- Performing 60+ hand (bucket) auger borings along the proposed alignment;
- Performing 18 solid stem auger borings relative to future stormwater ponds;
- Performing LBR testing of subgrade soils along the alignment;
- Sampling and coordinating soil corrosion series testing;
- Coring pavement along West Virginia Drive, Village Green Drive and U.S. Highway 1;
- Conducting 4 Double Ring Infiltration (DRI) tests within shallow roadside swales;
- Preparing a Roadway Soil Survey Report detailing our findings and providing site preparation recommendations;
- Preparing a Mast-Arm Foundation Report for US1/Village Green Drive and for Crosstown/Floresta Intersections;
- Performing two Level 2 Contamination Screening Assessments near the intersection of U.S. Highway 1 and Village Green Drive;

AACE's budget for our services was approximately $100,000.




25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| a. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly with the Owner's Design Engineer |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 7

21. TITLE AND LOCATION (City and State)

## Kanner Highway & Interstate 95 Interchange Improvement Project (Stuart, Florida)

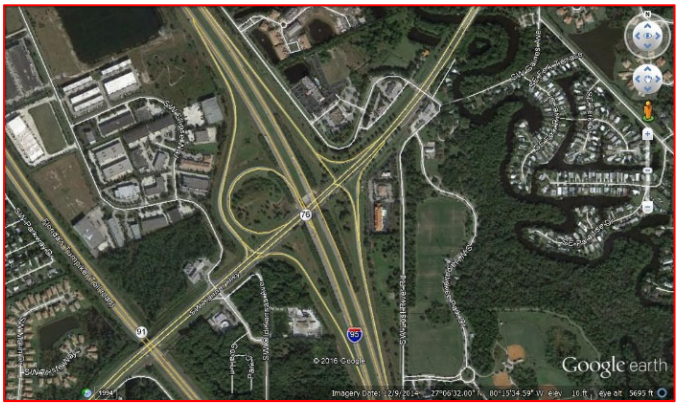
22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2017 | 2017 |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Martin County Engineering Department | Ms. Terry Rauth, P.E. | (772) 221-2300 |

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




Due to excessive traffic congestion, Martin County and the FDOT partnered (through a LAP agreement) to construct improvements to Kanner Highway and the on- and off-ramps of Interstate 95. Improvements included lane widening, construction of additional turn lanes, drainage improvements, installation of drilled shafts for new mast-arm signalization, removal of unsuitable soils, and the construction of several retaining walls. AACE, through our continuing service contract with Martin County, was requested to perform construction materials testing services for the improvements in accordance with all applicable FDOT specifications. AACE's Project Manager, David P. Andre, P.E., worked closely with Martin County's staff as well as FDOT personnel (including entering all testing data into the FDOT's LIMS/MAC testing database and preparing an FDOT Earthwork Density Log Book). AACE's team of FDOT/CTQP-certified technicians performed significant testing for the project, including the following:

- Soil and rock density testing for roadway embankment and drainage improvements
- Preparation and data entry into an FDOT Earthwork Log Book
- Laboratory characterization testing of soil (percent fines, moisture content, organic content, etc.)
- LBR and Proctor testing
- Compressive strength of concrete testing
- Asphalt coring, asphalt backscatter density testing, paving inspections and specific gravity testing of cores
- Drilled concrete and slurry testing
- Roadway string-line inspections
- Roadway cross-slope determinations
- Backfilling monitoring

AACE's budget for the project is approximately $240,000.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| a. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to Martin County |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 8

21. TITLE AND LOCATION (City and State)

## Village Parkway, from Becker Road to Tradition Parkway (Port St. Lucie, Florida)

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2007 | 2011 |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| City of Port St. Lucie | Mr. James Angstadt, P.E. | (772) 871-5177 |

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

AACE was retained by the City of Port St. Lucie to perform subsurface explorations and inspection/materials testing services during the construction of this proposed 6-lane, 4-mile roadway and associated utility improvements. AACE personnel performed more than 150 hand auger borings for the proposed roadways, and more than 50 SPT borings for proposed mast arm signal poles and large retention ponds (borrow areas). Due to the presence of shallow and variable, compressible clay soils combined with the significant quantity of embankment needed to raise the roadway to grade, settlement calculations revealed the potential for significant roadway settlements. Therefore, AACE recommended, designed and implemented a surcharge program for the project that was designed to address selected portions of the corridor. This solution to potential settlements eliminated the need for costly geo-textiles (estimated to cost more than $300k). During the project, AACE coordinated significant laboratory testing of soil samples (Atterberg Limits, sieve analysis, hydrometer testing, etc.) to ensure the most practical and economical solution to potential settlements.

Subsequent to our Geotechnical Engineering services during design, AACE provided construction materials testing of this roadway, beginning in August 2007 and ending in April 2011. AACE had as many as 4 technicians staffing the project to facilitate an aggressive construction schedule. Beyond typical field density testing, AACE also performed wetland/canal/ditch/reservoir demucking monitoring, surcharge monitoring, paving monitoring and piezometer installations accompanied by groundwater level monitoring. Our services included the following:

- Soil and rock density testing
- Laboratory characterization testing of soil (percent fines, moisture content, organic content, etc.) , permeability
- LBR and Proctor testing
- Compressive strength of concrete testing
- Paving observations
- Ditch and Reservoir demucking observations
- Backfilling monitoring
- Groundwater table monitoring

AACE's budget for the project was approximately $400,000.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| a. | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to the City of Port St. Lucie |
| b. | | | |
| c. | | | |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 9

21. TITLE AND LOCATION (City and State)

## Numerous L.A.P. Funded Sidewalk Projects (Port St. Lucie, Florida)

22. YEAR COMPLETED

| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2011 | 2015 |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| City of Port St. Lucie | Mr. James Angstadt, P.E. | (772) 871-5177 |

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

AACE was selected to perform Geotechnical Engineering explorations and construction materials testing services for numerous sidewalk design and construction projects throughout the City of Port St. Lucie. A few representative projects included the following:

- Marion Avenue Sidewalk ($10,000)
- Lyngate Drive Sidewalk and Drainage Improvements ($7,500)
- Melaleuca Boulevard Sidewalk ($3,500)
- Savona Boulevard Sidewalk and Pedestrian Bridge ($5,000)
- Mariposa Avenue Sidewalk ($2,500)
- Tiffany Avenue Sidewalk ($3,500)
- Thornhill Avenue Sidewalk ($2,800)
- Morningside Avenue Sidewalk ($2,500)
- Floresta Boulevard Sidewalk ($2,500)
- Darwin Boulevard Sidewalk and Pedestrian Bridge ($5,000)

Where AACE provided design services, we routinely performed one 5-foot auger boring for every 250 l.f. of planned sidewalk. Laboratory testing of selected soil samples would then be performed to explore the characteristics and behavior of the foundation soils. During construction, AACE testing personnel would perform soil density testing of the sidewalk subgrade, and explore the compressive strength of concrete used in sidewalk construction.

For the Savonna Bouelvard pedestrian bridge, AACE performed soil density and concrete testing in accordance with FDOT standards and specifications, including entering all test results associated with the bridge into the LIMS database.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| a. | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted with the City of Port St. Lucie |
| b. | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER: 10

21. TITLE AND LOCATION (City and State)

**Railroad Avenue, from Indian Street to Garden Street (Stuart, Florida)**

22. YEAR COMPLETED

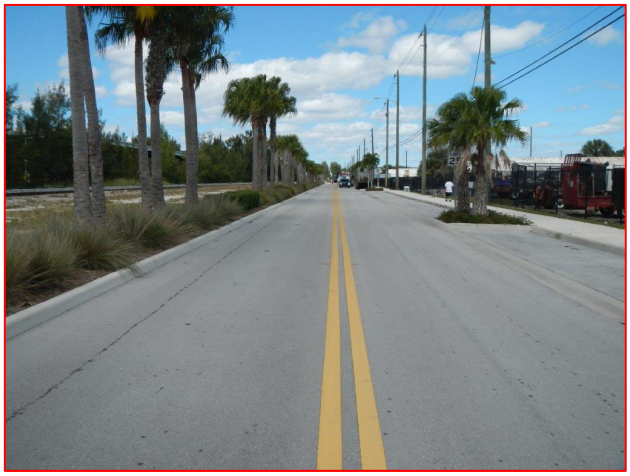
| PROFESSIONAL SERVICES | CONSTRUCTION (if Applicable) |
|---|---|
| 2013 | 2014 |

23. PROJECT OWNER'S INFORMATION

| a. PROJECT OWNER | b. POINT OF CONTACT | c. POINT OF CONTACT TELEPHONE NUMBER |
|---|---|---|
| Martin County Engineering Department | Mr. Paul Bangs, P.E. | (772) 463-2848 |

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

AACE was requested to perform construction materials testing services for Martin County's ½ mile Railroad Avenue project beginning in 2013. While on-site, our scope of services was modified to include CEI services for Martin County (supplementing the efforts performed by the County's inspectors). Due to the presence of reported petroleum contamination throughout the alignment, no dewatering was permitted during construction. Therefore, the use of coarse aggregate and alternative compaction techniques became necessary, with AACE's Brian Smith providing crucial and timely recommendations in this regard. Significant soil sampling and analytical testing of soil was performed to assist in determining the ultimate disposition of soils generated during this "cut" project. AACE Services included the following:



- Soil and rock density testing
- Laboratory characterization testing of soil (percent fines, moisture content, organic content, etc.)
- LBR and Proctor testing
- Compressive strength of concrete testing
- Construction Engineering Inspection
- Paving observations
- Soil sampling for contamination determinations
- Backfilling monitoring

AACE's budget for the project was approximately $60,000.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | (1) FIRM NAME | (2) FIRM LOCATION (City and State) | (3) ROLE |
|---|---|---|---|
| a. | Andersen Andre Consulting Engineers, Inc. | 834 SW Swan Avenue<br>Port St. Lucie, FL 34983 | Geotechnical Engineer contracted directly to Martin County |
| b. | | | |
| c. | | | |

## G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

| 26. NAMES OF KEY PERSONNEL (From Section E, Block 12) | 27. ROLE IN THIS CONTRACT (From Section E, Block 13) | 28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| Peter G. Andersen, P.E. | Senior Project Engineer | X | X | X | X | X | X | X | X | X | X | | |
| David P. Andre, P.E. | Project/Contract Manager | X | X | X | X | X | X | X | X | X | X | | |
| Brian Smith | Senior Technician/Director of Operations | X | X | X | X | X | X | X | X | X | X | | |
| Ralph Lewis | Senior Technician | X | X | X | X | X | X | X | X | X | X | | |
| Steve Mathis | Senior Technician | X | X | X | X | X | | X | | X | X | | |
| Paul Koch | Senior Technician | X | | | | | X | X | X | | X | | |
| Kerryjoe Clark | Engineering Technician | | | X | | | | | | | | | |
| Everett Tourjee | Engineering Technician | | X | | | | X | | | X | X | | |
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29. EXAMPLE PROJECTS KEY

| NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) | NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) |
|---|---|---|---|
| 1 | Port St. Lucie City-Wide Water Main Replacement | 6 | Crosstown Parkway, from Manth Lane to Floresta Drive, and U.S. Highway 1 at Village Green Drive |
| 2 | Seacoast Utility Authority Misc. Projects | 7 | Kanner Highway and I-95 Interchange |
| 3 | Rangeline Rd. 36" Water Main | 8 | Village Parkway, from Becker Rd. to Tradition Parkway |
| 4 | CPSL 24" Backbone Forcemain | 9 | Numerous CPSL L.A.P. Funded Sidewalks |
| 5 | Tradition Medical Center 9-Story Hospital (Phases I & II) | 10 | Railroad Avenue, Martin County |

## H. ADDITIONAL INFORMATION

**30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.**

As you evaluate our qualifications to provide Geotechnical Testing Services for the City of Port St. Lucie, we ask you to consider the following:

- *The experience of our Staff*. AACE's two Principal Engineers – Peter Andersen, P.E. and David Andre, P.E. – have more than 45 years of combined engineering and testing experience, the vast majority of which has been in Southeast Florida. Additionally, our pool of Field Technicians has an average of **16+ years of testing experience**.

- *Our history with the City of Port St. Lucie*. Our proposed Contract Manager, David Andre, P.E., has been providing Geo-Testing services to the City of Port St. Lucie since 2000. This near 20-year relationship and the depth-and-breadth of local knowledge with the City will continue to benefit the City of Port St. Lucie. Additionally, AACE has been providing Geotechnical Engineering and Construction Materials Testing services to the City since 2007; we are intimately aware of the City's expectations, requirements and administrative procedures. There will be no need on the City's behalf to bring our firm "up to speed" with regards to these matters, thus allowing for greater efficiency for City personnel.

- *We consider ourselves to be a public-sector consultant*. As of the date of this RFQ, we currently maintain Geotechnical Engineering and Materials Testing continuing contracts with St. Lucie County, Martin County, Indian River County, Okeechobee County, Martin County School Board, the City of Port St. Lucie and Indian River State College. AACE is not a "contractor's testing firm". Our client list primarily includes consulting and design engineers, property owners, school boards and municipalities. We believe that this philosophy reduces the appearance of any impropriety by clarifying the issue of whose interests we are serving while working on a County project (e.g., contractor *or* owner).

- We will not expend the City's financial resources unnecessarily. This is evident by the table below that depicts our ability, and our commitment, to maintaining public monies:

| Project (Client) | Approved Geo-Testing Budget | Actual Budget Expended | Budget Saved |
|---|---|---|---|
| IRSC Main Campus Safety Bollard Testing (Indian River State College) | $5,600.00 | $4,350.00 | 22% |
| Bayshore Blvd. Emergency Water Line Repair Testing (City of Port St. Lucie Utility Dept.) | $19,040.00 | $10,486.00 | 45% |
| Becker Road - Segment 1 Construction Materials Testing (City of Port St. Lucie Engineering Dept.) | $143,688.00 | $105,912.00 | 26% |
| City-Wide Culvert Replacement Project, Materials Testing (City of Port St. Lucie Public Works Dept.) | $60,589.00 | $38,462.00 | 36% |
| Martin County Bus Alighting Pads (US1 Corridor), Materials Testing (Martin County Engineering Dept.) | $6,149.00 | $3,594.00 | 41% |
| SW 3rd Terrace and Wolff Road Settlement Repairs, Materials Testing (Okeechobee County Public Works) | $41,885.00 | $21,650.50 | 48% |
| Rosser Blvd. Full-Depth Reclamation Materials Testing (City of Port St. Lucie Engineering Dept.) | $43,715.00 | $28,719.50 | 34% |
| Community Boulevard Lake/Borrow Explorations (City of Port St. Lucie Engineering Dept.) | $6,684.00 | $5,149.00 | 23% |
| Okeechobee Mining Pit Proposed Haul Routes Geo. Explorations (Okeechobee County Board of County Commissioners) | $4,217.00 | $3,995.00 | 5% |

**I. AUTHORIZED REPRESENTATIVE**
**The foregoing is a statement of facts.**

| **31. SIGNATURE** | **32. DATE** |
| --- | --- |
|  | May 27, 2019 |

**33. NAME AND TITLE**
David P. Andre, P.E., Principal

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER **RFQu #20190062**

## PART II – GENERAL QUALIFICATIONS

| 2a. FIRM (OR BRANCH OFFICE) NAME | | | 3. YEAR ESTABLISHED | 4. DUNS NUMBER |
|---|---|---|---|---|
| Andersen Andre Consulting Engineers, Inc. | | | 2005 | 36 104 27 52 |
| 2b. STREET | | | 5. OWNERSHIP | |
| 834 SW Swan Avenue | | | a. TYPE | |
| | | | Corporation | |
| 2c. CITY | 2d. STATE | 2e. ZIP CODE | b. SMALL BUSINESS STATUS | |
| Port St. Lucie | FL | 34983 | No | |
| 6a. POINT OF CONTACT NAME AND TITLE | | | 7. NAME OF FIRM (if block 2a is a branch office) | |
| David P. Andre, P.E., President | | | | |
| 6b. TELEPHONE NUMBER | 6c. E-MAIL ADDRESS | | | |
| (772) 807-9191 | dandre@aaceinc.com | | | |
| 8a. FORMER FIRM NAME(S) (if any) | | | 8b. YR. ESTABLISHED | 8c. DUNS NUMBER |
| | | | | |

9. EMPOLYEES BY DISCIPLINE

| a. Function Code | b. Discipline | c. No. of Employees (1) Firm | c. No. of Employees (2) Branch |
|---|---|---|---|
| 12 | Civil Engineer | 1 | |
| 23 | Environmental Engineer | 1 | |
| 27 | Foundation/Geotechnical Engineer | 1 | |
| 58 | Technician/Analyst | 6 | |
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| | **TOTAL** | **9** | |

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

| a. Profile Code | b. Experience | c. Revenue Index Number (see below) |
|---|---|---|
| B02 | Bridges | 1 |
| C10 | Commercial Buildings (low rise), Shopping Centers | 2 |
| E02 | Educational Facilities, Classrooms | 1 |
| E09 | Environmental Impact Studies, Assessments | 2 |
| H07 | Highways, Streets | 2 |
| H11 | Housing (Residential, Multi-family, Apartments) | 1 |
| I06 | Irrigation/Drainage | 1 |
| L04 | Libraries | 1 |
| M06 | Mining and Mineralogy | 1 |
| O01 | Office Buildings | 2 |
| R04 | Recreational Facilities | 1 |
| R11 | Rivers, Canals, Waterways | 1 |
| S05 | Soils & Geologic Studies, Foundations | 4 |
| S13 | Stormwater Handling Facilities | 2 |
| T02 | Testing and Inspection Services | 4 |
| W01 | Warehouses and Depots | 1 |
| W02 | Water Resources | 1 |
| W03 | Water Supply | 1 |
| H09 | Hospitals, Medical Facilities | 2 |
| | | |
| | | |
| | | |

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUE OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)

| | |
|---|---|
| a. Federal Work | 1 |
| b. Non-Federal Work | 4 |
| c. Total Work | 4 |

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,0000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

**12. AUTHORIZED REPRESENTATIVE**
The foregoing is a statement of facts.

| a. SIGNATURE | b. DATE |
|---|---|
|  | May 23, 2019 |

c. NAME AND TITLE

David P. Andre, P.E., President/Principal

# SECTION 2
# PROPOSAL RESPONSE (SECTIONS 2.2 THROUGH 2.16)

## SECTION 2.2 FORM 330, PARTS I & II

AACE's Form 330 was provided in the previous pages.

## SECTION 2.3 CURRENT CONTRACTS

AACE currently maintains the following continuing service contracts:

| Client | Contract Awarded | Contract Expires | Contract Description |
|---|---|---|---|
| City of Port St. Lucie | October 2018 | October 2023 | Continuing service contract to provide Geotechnical Engineering and Construction Materials Testing |
| St. Lucie County | August 2016 | August 2021 | Continuing service contract to provide Geotechnical Engineering and Construction Materials Testing |
| Martin County | December 2018 | December 2021 (plus two 1-yr. renewal options) | Continuing service contract to provide Geotechnical Engineering and Construction Materials Testing |
| Indian River County | December 2018 | December 2021 (plus one 2-yr. renewal option) | Continuing service contract to provide Geotechnical Engineering and Construction Materials Testing |
| Okeechobee County | September 2018 | September 2023 | Continuing service contract to provide Geotechnical Engineering and Construction Materials Testing |
| Martin County School Board | February 2016 | February 2021 | Continuing service contract to provide Geotechnical Engineering and Construction Materials Testing |

AACE also has numerous "project specific" contracts for private-sector projects where AACE's fees are less than $5,000. These contracts are not expected to result in any conflicts of interest with regards to AACE providing engineering services for the City of Port St. Lucie.

## SECTION 2.4 MANAGEMENT PLAN

### Project Management Form

Upon being selected to provide Geotechnical Engineering and Materials Testing Services for a project such as the Westport WWTP expansion, the "internal" process begins by completing a Project Management Form. This form is completed concurrently during the contract negotiations as it serves as the foundation for the duties and responsibilities of the AACE team members as well as those of the Client. It will be reviewed by AACE's Project Manager, David Andre, P.E. and the Assistant Project Manager, Peter Andersen, P.E. The objectives of the Project Management Form are as follows:

- ✓ Understand and acknowledge the project schedule
- ✓ Identify any potential "stumbling blocks" that may arise, based on our staff's experience with similar projects
- ✓ Clearly define the Client's expectations to AACE's staff (e.g., when test results and billing are expected)
- ✓ Determine critical path and resource allocation and reporting, communicating mechanisms and roles, and responsibilities of team members

The completion of the Project Management Form helps ensure that the contract has been executed, supporting documentation has been provided to the Client, and the budget and schedule has been prepared. It also formally establishes a point of contact for invoicing, communication protocols and authority levels and responsibilities.

### Project Kick-Off

Upon completion, approval and distribution of the project scope, schedule and budget, it is important that AACE be included in the Project Kick-Off Meeting. Every project team member attends the meeting with questions and suggestions intended to clarify channels of communication and enhance specific elements of the project. Every team member should leave the kick-off meeting fully cognizant of their respective roles on the project. In the case of a large utility construction project, any safety and site security issues and protocols are reviewed to reduce the potential for delays and accidents.

### Project Status/Progress Meetings

On a project such as the Westport WWTP expansion, regular progress meetings will be necessary during the life of the project. At a minimum, bi-weekly meetings will likely be scheduled at which all project team members and involved CPSL staff report on the project's progress. Any anticipated or encountered problems, delays or communication breakdowns should also be discussed amongst the team.

### AACE's Deliverables

Typically, AACE prepares construction materials testing reports on a monthly basis. However, we understand that test reports are frequently needed by the construction team on a more frequent basis (e.g., reporting of 3-day and 7-day concrete strength results). AACE's team of engineers and support staff are committed to providing whatever deliverable is needed for the successful completion of the Westport WWTP project.

## SECTION 2.5 PROJECT APPROACH

Andersen Andre Consulting Engineers, Inc. is exceptionally qualified to staff this project. Our office/soils laboratory, which is located within 15 minutes of the Westport WWTP is equipped with state-of-the-art field and laboratory testing equipment. Additionally, our personnel have a significant breadth and depth of experience providing Geotechnical Engineering and Construction Materials Testing on public sector projects, including utility improvement projects, roadways, drainage retrofits, parking lots, bridges, public parks, municipal buildings (low and high rise) and other miscellaneous construction.

Approach to Scope of Service

When AACE provides geo-testing services for any municipality (in this case, the City of Port St. Lucie), the approach that our engineers and testing staff adhere to typically consist of the following:

1. **Understanding that the City is our Client**. When performing subsurface explorations and providing the accompanying Geotechnical Engineering recommendations, it should be done with the goal of providing technically superior engineering consulting services that include cost-effective recommendations that safely serve the residents of the City. Additionally, when providing testing services and QA/QC during construction, our company is operating as a "safeguard" on the City's behalf to help ensure that, whatever is being constructed, it is being done in accordance with the design plans and the City's specifications. This "jumping off" point is made clear to all AACE employees; we are committed to staffing this City project with only experienced personnel. Lastly, we realize that the City is our Client; as such, all information (understanding that it will ultimately be public record) is to be submitted to the appropriate City personnel prior to being shared with other parties.

2. **Realizing that safety is Paramount**. Regardless of our Client, the safety of the public, representatives of our Client and employees of AACE must never be compromised. We offer the following examples to illustrate this philosophy:

   *Providing cautious recommendations that may result in open excavations*: Subsequent to AACE performing a subsurface soil exploration, there is a potential that a recommendation will be presented that includes the excavation of deleterious soils (i.e., muck, clay, buried debris, and/or contaminated soil). Such recommendations must be made with a note to the selected contractor about securing the excavation from public access, sloping the sides in a safe manner for quick exit, and the duration for leaving excavations open. Such recommendations help protect the City for potential legal entanglements.

   *Ensuring that AACE's Staff adheres to our company's Safety Manual*: Due to the use of heavy testing equipment, operating earth-moving equipment, the uneven terrain of construction sites, the need for frequent trips to-and-from project sites, we ensure that all of AACE's employees are familiar with our Safety Manual (including our drug-free workplace requirement, trench safety act and confined work-space requirements), again helping reduce legal exposure for the City.

3. **Point out potential problematic conditions as early as possible during the project.** If problematic or challenging subsurface conditions are identified during construction, we endeavor to always bring them to the attention of the Project Team, including the Contractor. While never dictating means-and-methods, our field personnel do have a wealth of experience with unanticipated soil conditions arising on a project. Whether the issue may be temporary groundwater perching on an aquitard, plastic soils being encountered where none were expected, moisture sensitive soils, etc., we will be proactive in resolving these items before they become a claim discussion point.

4. **Resolve potential soil and/or concrete-related issues quickly, effectively and professionally**. Understanding that problems do occur on construction projects, we make every effort to assist in solving these matters quickly through constant communication with the City's Project Manager and Inspector, before they have the potential to result in added project costs and/or delays. AACE Owners David Andre, P.E. and Peter Andersen, P.E. conduct frequent site visits for the purposes of (1) remaining informed on project status, (2) being readily visible/available to consult on matters before they become problems, and (3) to provide an added level of QA/QC to the overall project.

5. **Always attempt to identify opportunities to reduce project cost, even costs associated with our own services**. "Smart" scheduling of testing visits and combining testing services that would otherwise have required multiple trips are two ways that AACE helps maintain the project budget.

6. **Maintain open channels of communication with the City staff, as well as the CEI and the Contractor (if applicable)**. During the Pre-Construction Meeting for any project and with the City's approval, we clearly provide test scheduling protocols for the CEI and the Contractor for the purpose of removing any doubt or confusion regarding scheduling testing (i.e., scheduling 24-hours in advance of any testing, contacting AACE's office rather than scheduling with the field technician, etc.). To help maintain clear communication, we provide all parties with cell phone numbers for David Andre, P.E. and Peter Andersen, P.E.

7. **Delivering our Work Product in a timely fashion**. Both Peter and David realize that, frequently, the information that our firm provides is necessary for the final design of buildings, roadways, STAs, utility installations, and also for the progression of on-going construction projects. Data such as depth-to-groundwater, soil types, allowable bearing pressure and seasonal high groundwater table elevation are often needed by design engineers, architects and municipal personnel. We understand this and pledge to exceed any time-frame expectation. With regards to testing, reports detailing density tests, concrete strength and LBR values, among others, we will process results to meet any construction schedule and we will keep the City's selected contractor informed of any deficiencies.

## SECTION 2.6 PROPOSED WORK PLAN

Recognize What is expected of AACE

As stated in the RFQu #20190062 bid package, we understand that the geo-testing services outlined below are expected for the Westport WWTP expansion project:

I. **Site Preparation and Grading/Backfilling**:
- Provide qualified personnel for performing field density and moisture content tests on a part- time basis for all structures and pavement natural ground and fill areas.
- Perform compaction tests on utility backfill in all utility trenches in both structures and pavement areas.
- Perform laboratory testing of proposed fill soils to determine their suitability, and moisture content versus dry density relationship.
- Perform Sieve Analysis and Organic Content testing to determine soil suitability.
- Observe proof rolling operations as outlined in the Project Specifications.

II. **Normal Weight & Lightweight Concrete Sampling and Testing**:
- ACI certified technician to sample and test plastic concrete and mold compressive strength cylinders for structural concrete on a part-time basis. Testing of the plastic concrete will include measurement of its slump, air content, temperature, and unit weight.
- Perform laboratory compressive strength tests on cured concrete cylinders as outlined in the Project Specifications.

III. **CMU, Grout & Mortar Sampling and Testing**:
- ACI certified technician to sample and test grout & mortar and mold compressive strength prisms/cubes on a part-time basis.
- Perform laboratory compressive strength tests on cured grout & mortar prisms/cubes as outlined in the Project Specifications.

IV. **Asphalt/Pavement:**
- Observe proof-rolling operations of the pavement subgrade prior to aggregate base placement and make recommendations for undercutting and/or stabilization, if required.
- Observe proof-rolling and perform compaction tests on aggregate base material.
- Perform laboratory compaction tests of base materials to determine their moisture content versus dry density relationships.
- Measure thickness of base materials for compliance with project requirements.
- Core samples of the in-place bituminous concrete pavement can be obtained to verify proper thickness and density of the pavement materials.

AACE has significant experience providing all of these services on both, public- and private-sector projects. Examples of our experience are the Tradition Medical Center project in Port St. Lucie where AACE staff formed and tested more than 700+ sets of concrete cylinders and performed more than 1,000 in-place soil density tests. More specifically, with regards to WWTP testing experience, AACE's staff of technicians tested more than 200 sets of concrete cylinders during the construction of CPSL's Glades WWTP.

Utilizing Only Experienced Staff

As stated in the RFQu #20190062 bid package:

> "*Testing agencies shall have a minimum of five continuous years of providing testing services for construction projects in the State of Florida. The testing agency shall have sufficient personnel having necessary education, training, technical knowledge, certifications as appropriate and experience for their assigned functions. The inspection and testing services of the testing agency for this project shall be under the direction of a person charged with engineering managerial responsibility. The person shall be a licensed and registered professional engineer in the state of Florida and a full-time employee of the agency. Laboratory supervisors shall have a minimum of five years' experience on relevant construction materials. Field supervisors and technicians shall have a minimum of five years inspection experience for the type of materials testing to be supervised. Certification by qualified national and state authorities for the materials to be tested is required. All team members experience must be clearly represented in the documentation provided. The response to the RFQu must include information as described below and as addressed in criteria.*"

Based on our review of this contract requirement, we offer the following:

✓ AACE was founded in 2006 by Peter Andersen, P.E. and David Andre, P.E. Since that time, AACE has enjoyed steady, sustained growth over the last 13 years.

✓ AACE will staff this project with the following field and laboratory personnel:

- Director of Operations/Senior Field Technician: . . . . . **Brain Smith** *(24 years experience)*
- Laboratory Manager/Senior Field Technician: . . . . . **Ralph Lewis** *(15 years experience)*
- Senior Field Technician: . . . . . **Steve Mathis** *(16 years experience)*

Combined, this staff of field and laboratory technicians have an average of 18+ years of geo-testing experience. Further, our technicians maintain the following certifications:

- ACI Level I Technician
- ACI Aggregate Base Testing Technician
- ACI Concrete Laboratory Testing Technician
- ACI Aggregate Testing Technician Level 1
- Nuclear Gauge Soil Density Certified, Radiation Safety Officer
- FDOT/CTQP LBR Technician
- FDOT/CTQP Aggregate Base Testing Technician
- FDOT/CTQP Qualified Sampler Technician
- FDOT/CTQP ECI 1 & 2 Earthwork Technician
- FDOT/CTQP Aggregate Field Testing
- FDOT/CTQP Asphalt Plant Level 1
- FDOT/CTQP Concrete Lab Technician Level 1
- FDOT/CTQP Concrete Field Inspector Level 1
- CMEC Laboratory Soil Technician

✓ AACE Principal Engineer, David Andre, P.E. is a 1993 graduate of the University of Florida's College of Engineering. Having more than 26 years of engineering experience, David is currently managing continuing service contracts with St. Lucie County, Martin County, Indian River County, Okeechobee County, the City of Port St. Lucie, the Martin County School Board and Indian River State College. David is keenly aware of the needs and expectations of public sector projects.

✓ AACE Principal Engineer, Peter G. Andersen, P.E., will serve in the capacity of Alternate Contract Manager and Principal Geotechnical Engineer. Peter, after obtaining his Masters of Science degree in Geotechnical Engineering from the University of Florida in 1997, has provided engineering consulting and testing services on more than one thousand projects, ranging from multi-million dollar condominium buildings and power plants to complex harbor projects and mooring facilities in the Caribbean and in Florida. Peter is very experienced in analyzing foundation alternatives relative to construction on problematic soils. Peter has gained significant experience with procedures such as dynamic compaction, vibroflotation, vibroreplacement, driven- and auger-cast piles, soil grouting and rigid inclusions. Throughout his 20+ year career, Peter has also gained vast experience coordinating and monitoring field and laboratory testing activities. Peter has adopted a hands-on quality control process for training and evaluating the performance of our field personnel. Should David be temporarily unavailable for a meeting or consultation with the City's personnel, Peter is exceptionally capable of managing any and all contractual issues that may require immediate attention.

✓ AACE is certified and pre-qualified by the Florida Department of Transportation (FDOT) to perform engineering services specified in Group 9 - Soil Exploration, Material Testing and Foundations. Specifically, AACE is FDOT-qualified to perform services detailed in Work Groups 9.1 (Soil Exploration), 9.2 (Geotechnical Classification Laboratory Testing), 9.3 (Highway Materials Testing) and 9.4.1 (Standard Foundation Studies).

✓ AACE's soils and aggregate laboratory is inspected and certified annually by the Construction Materials Engineering Council (CMEC), an organization that assesses and accredits laboratories performing test procedures on concrete, soil, aggregates, asphalt, and other materials.

To summarize, it is our belief that through the depth-and-breadth of our personnel's experience, through our commitment to servicing public sector entities and our commitment to technical excellence and unrivaled customer care, AACE is uniquely qualified to provide professional Geotechnical Engineering and Construction Materials Testing services on the Westport WWTP expansion.

## SECTION 2.7 PROPOSED SCHEDULE

Priding ourselves on being a public-sector consultant, it is our firm belief that we can expertly provide professional geo-testing and engineering services on the City's Westport WWTP. We are fully cognizant of the geo-testing agency being readily available for a utility project such as this. We recognize that, if our field or laboratory representative is late to the construction site, or falls behind in regards to reporting much needed testing data, the project schedule can be impacted. We pledge to have any and all of the resources of our firm ready to staff this CPSL project. We believe the following items enables us maintain the project schedule:

- AACE's experience serving the public sector. Our firm maintains existing continuing engineering services contracts with the **City of Port St. Lucie, Indian River County, Martin County, St. Lucie County, Okeechobee County**, the **Martin County School Board** and **Indian River State College**. Further, AACE's President and proposed Contract Manager, David P. Andre, P.E. has, during his 25+ year career, become keenly aware of the needs and expectations of public sector clients.

- The City needs a firm that can adapt and amend procedures...quickly! Frequently, municipal governments will require modifications to a firm's insurance certificates, contract language, invoicing procedures as well as other administrative matters. This can prove to be cumbersome, time consuming and problematic with the growing number of large international consulting firms. AACE is a locally-owned Geotechnical Engineering and Construction Materials Testing firm with the headquarters located in Port St. Lucie. Principal owners David P. Andre, P.E. and Peter G. Andersen, P.E. are able to immediately amend our firm's procedures to efficiently and effectively provide our services to the City without the need to consult with out-of-town corporate entities.

- Only experienced and qualified personnel should staff County projects. The most effective QA/QC protocol first begins with staffing geo-testing projects with experienced personnel. At AACE, we will only assign expertly trained, proficient personnel to County projects. AACE's two Principal Engineers have amassed 45+ years of combined engineering and testing experience. Further, AACE's staff of Senior Field and Laboratory Technicians has an average of 18+ years of experience. We believe this level of local experience is significantly higher than most testing firms in the area. AACE's staff of technicians **will be available for the Westport WWT project within 24 hours of being scheduled**.

- Submit correct invoices, the first time. AACE's Principal Engineers David Andre, P.E. and Peter Andersen, P.E. prepare our firm's invoices personally, rather than them being prepared by administrative personnel. This personal attention to billing ensures fewer mistakes and less administrative efforts on behalf of our clients.

- Your fiscal year ends on September 30th, and you require year-end invoices. We know! Your administrative and accounts-payable staff won't have to remind us. We'll be ready for year-end invoicing! We pride ourselves on being a public-sector consultant.

- Be readily available. Understanding the complexities of public-sector projects (including frequent scrutiny by residents, elected officials and potentially the news outlets), both David Andre, P.E. and Peter Andersen, P.E. are always readily available to meet with City staff to resolve issues, explain soil-related problems that may occur at project sites, or to simply provide requested information via face-to-face interaction. Further, we understand that emergency situations do arise that demand quick action by the City. Both David and Peter will be available, day or night.

## SECTION 2.8 OPTIONAL VALUE ADDED SERVICES

Since neither the Westport WWTP expansion design plans nor the Geotechnical Subsurface Soil Exploration report were available for review during the time this RFQu was advertised, it is challenging to speculate on the precise nature of the services that will be required by the selected geo-testing firm. However, based on our experience with similar projects, we believe that the following additional scope items may be necessary for the successful completion of the WWTP project:

Vibration Monitoring: Due to the complexities of a WWTP, plant components can be susceptible to vibration-related damage. These vibrations can arise due to vibratory compaction equipment that may be used during earthwork, or from deep-soil improvement techniques such as vibro-replacement (that may be needed to support some of the heavier WWTP structures). AACE routinely provides vibration monitoring for construction projects using in-house, calibrated state-of-the art seismographs and trained engineering staff. Our clients include both state and local governments, as well as private owners, contractors, engineering and architectural firms, and the projects have ranged from simple vibration attenuation studies for vibratory rollers (i.e. vibration levels versus safe distance between the vibratory roller travel paths and existing structures/utilities) to more complex analysis of ground improvements methods (e.g. Vibro-Flotation, Vibre-Replacement, Dynamic Compaction, etc) that includes not only monitoring the magnitude of the vibrations but also the frequency of the vibrating source.

To that note, a considerable amount of research has been performed to correlate vibrations from single events (such as dynamite blasts) to architectural and structural damage. The obtained data indicates that measurements of induced particle velocities (peak particle velocities, PPV) are the best indicators of the potential for damage to the given structure. As such, the U.S. Bureau of Mines has recommend a “safe blasting limit” of 2 inches per second (in/sec) for single events. Below this level there is virtually no risk of building damage. Thus, vibrations for single events should be limited so that particle velocities at locations adjacent to the affected buildings are never more than 2 in/sec. Note that the 2 in/sec particle velocity limit pertains to potential damage to plaster surfaces which is the weakest of building components, not to structural members, which would require an even higher velocity level. Research confirms that particle velocities of up to 2 in/sec are easily tolerated by plaster surfaces, with velocities in excess of 7 in/sec required to damage structural members.

More often, though, construction related vibration events should be considered as continuous sources of vibrations, and “safe levels” for continuous vibrations are not as well defined as those for single events. The Transport and Road Research Laboratory in England has researched continuous vibrations to some extent and developed a summary of vibration levels and reactions of people and the effects on buildings. The Table below summarizes the developed criteria which, among many others, is used by the California Department of Transportation (Caltrans) in their evaluation of transportation related earthborne vibrations.

As can be seen from the Table, the “architectural damage risk level” for continuous vibrations is a peak particle velocity of 0.2 in/sec, or one-tenth of the maximum “safe” level of 2 in/sec for single events.

All damage criteria for buildings are in terms of ground motion at the building foundation level. No allowance is included for the potentially amplifying effects of structural components. Obviously, the way a building is constructed and the condition it is in determines how much vibration it can withstand before damage occurs. As such, older buildings with masonry elements are more susceptible to vibration damages relative to their height, as opposed to for instance treatment plant structures (e.g. tanks, clarifiers, etc.) constructed with well-reinforced concrete elements.

**Damage to Buildings and Reaction of People at Various Continuous Vibration Levels**

| Vibration Level [PPV] (in/sec) | Effects on Buildings | Human Reaction (1) |
|---|---|---|
| 0.006-0.019 | Vibrations unlikely to cause damage of any type. | Threshold of perception, possibility of intrusion. |
| 0.08 | Recommended upper level of the vibration to which ruins and ancient monuments should be subjected. | Vibrations readily perceptible. |
| 0.1 | Virtually no risk of "architectural damage" to normal buildings. | Level at which continuous vibrations begin to annoy people. |
| 0.2 | Threshold at which there is a risk of "architectural" damage to normal dwellings with plastered walls and ceilings. Special types of finish, such as lining of walls, flexible ceiling treatment, etc. would minimize "architectural" damage. | Vibrations annoying to people in buildings. This agrees with the levels established for people standing on bridges and subjected to relative short periods of vibrations. |
| 0.4-0.6 | Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage. | Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable so some people walking on bridges. |

(Source: Transport and Road Research Laboratory, TRRL Report No. LR418, Crowthorne, Berkshire, England, 1971)

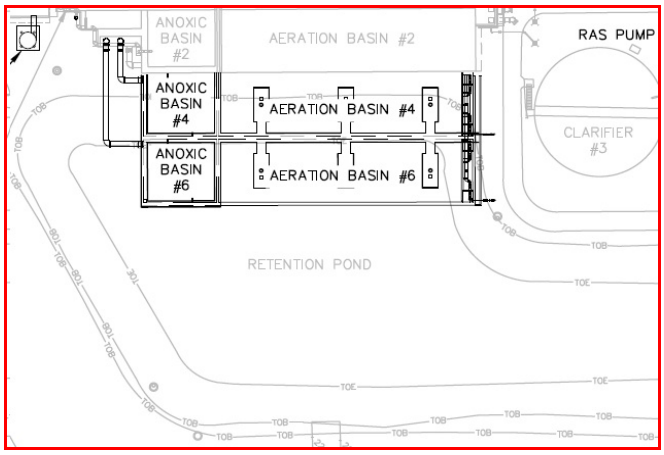
Note: (1) The vibration levels are based on peak particle velocity in the vertical directon. Where human reactions are concerned, the value is at the point at which the person is situated. For buildings, the value refers to the ground motion. No allowance is included for the amplifying effect, if any, of structural components.

Given that the criteria included in the Table was established in 1971, it seems appropriate to assume that both, engineering design, construction methods and the materials used in construction, have improved since then, allowing for somewhat higher tolerable vibration levels relative to the "architectural damage risk level". Overall, the architectural damage criterion for continuous vibrations (0.2 in/sec) appears to be a conservative number; in our practice, we recommend that the level of off-site vibrations be limited so that particle velocities do not exceed 0.5 in/sec, depending on the nature of the use of nearby structures (and of its tenants, if applicable, so as to minimize the nuisance level). The 0.35 in/sec level is also the vibration threshold for Florida Department of Transportation (FDOT) projects when constructing new infrastructure adjacent to existing public or private structures.

Should the need arise, AACE is prepared to provide construction vibration monitoring services for any and all aspects of the project.

Paint Thickness Testing: To aid in corrosion resistance, it is likely that many WWTP components will require protective paint coatings. These coatings are typically required to be applied in a designed thickness. AACE has experience providing paint coating thickness measurements in accordance with ASTM E376-17.

Partial Backfilling of Retention Pond: Based on our review of the two Site Plan exhibits that accompanied the RFQu, we understand that the partial reclamation of the existing retention pond is planned. Since Anoxic Basins #4 and #6 as well as Aeration Basins #4 and #6 will be constructed atop this backfilled pond, it will be imperative that this pond be adequately stripped, demucked, grubbed and backfilled in lifts not exceeding 12 inches will well compacted granular soils. We recognize this project element and will account for it during our scope development.




## SECTION 2.9 RECORD OF BANKRUPTCY OR RECEIVERSHIP

Neither Andersen Andre Consulting Engineers, Inc. nor it's principals have ever declared bankruptcy or put into receivership.

## SECTION 2.10 HISTORY OF LITIGATION

AACE was involved in one (1) legal proceeding in the last five (5) years. Specifically, Andersen Andre Consulting Engineers, Inc. was named in a lawsuit filed by St. Lucie County: St. Lucie County (Plaintiff) v. Miller Legg & Associates, Inc., Andersen Andre Consulting Engineers, Inc. and Dunkelberger Engineering & Testing, Inc. (Defendants), Case No. 56-2013-CA-002546 (BC) heard in the Circuit Court of the Nineteenth Judicial Court in and for Saint Lucie County, Florida. The following is intended to provide a brief overview of the relevant details of the suit.

The project involved the Verada Ditch system which consists of approximately 13,000 linear feet of interconnected stormwater ditches that provide drainage relief for several residential neighborhoods and associated roadways in St. Lucie County. In 2008, Tropical Storm Fay caused significant lengths of the ditch system embankments to erode and collapse. Subsequently, St. Lucie County (SLC) received financial assistance from the National Resources Conservation Service (NRCS) to repair the damages to the ditch system. The NRCS funds were provided to SLC with the stipulation that the repair works had to be completed by July 18, 2009.

In December 2008, SLC retained Miller Legg & Associates, Inc. (ML) (under the Continuing Services Contract between SLC and ML) to perform surveying and armoring design of a portion of the Verada Ditch system in St. Lucie County, Florida. Subsequent to being retained by SLC, ML solicited a proposal from AACE to provide Geotechnical Engineering support for their design. AACE was retained in January 2009 by ML and completed field investigations, laboratory testing, and engineering services by the middle of February 2009. Following delivery of our report, AACE was not involved any further in the design (or the construction efforts).

ML completed their services in April/May 2009 and construction of the desired renovations to the ditch system commenced shortly thereafter.

Prior to commencement of construction, SLC retained Dunkelberger Engineering & Testing, Inc. (DET) to perform both, Construction Materials Testing (CMT) and Construction Engineering Inspections (CEI) during the construction period. The project was divided into two portions, and SLC selected Ranger Construction and Dickerson Florida to construct the two portions. As far as we are aware, the construction was completed by the NRCS deadline.

In October 2011 ML was notified by SLC that portions of the ditch armoring were exhibiting failures following a significant rain event that same month. ML, in turn, notified AACE and a site visit was completed by representatives of ML and AACE. Following this site visit, other than occasional email exchanges, AACE was not involved in any discussions relative to the observed failures, their origin and any potential repair methodology.

On May 8, 2013 SLC filed a claim against ML relative to the above-referenced failures, and on September 6, 2013, SLC proceeded to file suit against ML. Multiple mediation sessions occurred and an agreeable settlement was reached between SLC and the insurance carriers of ML, AACE and DET in March 2016 and the case was dismissed with prejudice (i.e. with no admission or determination of negligence on behalf of ML and AACE).

After the matter was settled in 2016, AACE was subsequently ranked #1 and selected to receive continuing service contract for Geotechnical Engineering and Construction Materials Testing by St. Lucie County.

## SECTION 2.11 JUDGEMENT FROM LAWSUITS

Please review Section 2.10 above regarding St. Lucie County (Plaintiff) v. Miller Legg & Associates, Inc., Andersen Andre Consulting Engineers, Inc. and Dunkelberger Engineering & Testing, Inc. (Defendants), Case No. 56-2013-CA-002546 (BC) heard in the Circuit Court of the Nineteenth Judicial Court in and for Saint Lucie County, Florida. Multiple mediation sessions occurred during this suit and an agreeable settlement was reached between SLC and the insurance carriers of ML, AACE and DET in March 2016 and the case was dismissed with prejudice (i.e. with no admission or determination of negligence on behalf of ML and AACE).

AACE has not been subjected to any adverse actions sanctioned by any regulatory authority in the last 5 years.

AACE has not defaulted on a contract to provide engineering services, or has had any contract canceled in the last 5 years.

Neither AACE nor its principals/officers have been convicted of a Public Entity Crime, debarred or suspended from bidding by any government.

## SECTION 2.12 CRIMINAL VIOLATIONS AND/OF CONVICTIONS OF THE PROPOSER OR PRINCIPALS

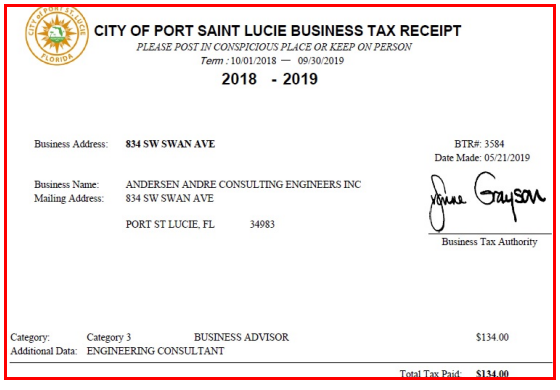
No AACE principals or officers have been named as defendants in any criminal proceedings or hearings.

## SECTION 2.13 FINANCIAL DISCLOSURE DOCUMENTS

AACE's financial disclosure documents for calendar years 2017 and 2018 are included within this RFQu response package, marked "Private and Confidential".

## SECTION 2.14 LOCAL PREFERENCE

AACE is claiming "Local Preference". Our office is located within the City of Port St. Lucie, and our City of Port St. Lucie and St. Lucie County Business Tax Receipts are shown below:



CITY OF PORT SAINT LUCIE BUSINESS TAX RECEIPT

*PLEASE POST IN CONSPICUOUS PLACE OR KEEP ON PERSON*

*Term* : 10/01/2018 — 09/30/2019

**2018 - 2019**

Business Address: **834 SW SWAN AVE**

BTR#: 3584

Date Made: 05/21/2019

Business Name: ANDERSEN ANDRE CONSULTING ENGINEERS INC

Mailing Address: 834 SW SWAN AVE

PORT ST LUCIE, FL 34983

Business Tax Authority

Category: Category 3 BUSINESS ADVISOR $134.00

Additional Data: ENGINEERING CONSULTANT

Total Tax Paid: **$134.00**

CHRIS CRAFT TAX COLLECTOR ST. LUCIE COUNTY

**2018 - 2019**

**St. Lucie County Local Business Tax Receipt**

Facilities or machines # Rooms # Seats # Employees #6 Receipt #8911-20050018

Type of business 8911 ARCHITECT/ENGINEER/LAND SURV (ARCHITECTENGINEERLAND SURV) Expires SEPTEMBER 30, 2019

DBA name Business Anderson Andre Consult Eng Inc

Mailing address: Anderson Andre Consult Eng Inc
834 SW Swan Ave
Port Saint Lucie, FL 34983

Business location: 834 SW Swan Ave
Port Saint Lucie, FL 34983

RENEWAL
Original tax: $27.55
Penalty:
Collection cost:
Total: $27.55

City of Pt St Lucie

53969
H05000274187

Paid 07/24/2018 27.55 0099-20180724-033342

## SECTION 2.15 MINORITY BUSINESS STATUS

AACE does not hold a Minority Business Certification.

## SECTION 2.16 REFERENCE FORMS

AACE submitted the reference form included in this RFQu to the following entities:

- Seacoast Utility Authority (Mr. Brandon Selle, P.E. - Director of Engineering)
- Okeechobee County (Mr. Donnie Oden - Capital Improvement Director)
- Martin County Public Works Dept. (Mr. Logan Huber, P.E. - Project Engineer)
- Martin Health System/Cleveland Clinic (Mr. Matt Kelly - Director of Development & Real Estate)
- Indian River State College (Mr. Sean Donahue, P.E. - Ast. Dean of Facilities)

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

# Request for Taxpayer Identification Number and Certification

▶ **Go to *www.irs.gov/FormW9* for instructions and the latest information.**

**Give Form to the requester. Do not send to the IRS.**

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Andersen Andre Consulting Engineers, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☑ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

*(Applies to accounts maintained outside the U.S.)*

5 Address (number, street, and apt. or suite no.) See instructions.

834 SW Swan Avenue

6 City, state, and ZIP code

Port St. Lucie, FL 34983

Requester's name and address (optional)

7 List account number(s) here (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN,* later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

**Social security number**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | – | | | – | | | | |

**or**

**Employer identification number**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | – | 3 | 8 | 9 | 3 | 3 | 1 | 5 |

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign Here** | **Signature of U.S. person ▶** [signature] **Date ▶** 5/28/19

# General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9.*

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See* What is backup withholding, *later.*

ANDER-1 OP ID: LH

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 05/28/2019

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

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

| | |
|---|---|
| PRODUCER<br>JCJ Insurance Agency<br>2208 Hillcrest Street<br>Orlando, FL 32803<br>Erin K. Kelley<br>321-445-1117 | CONTACT NAME: Kristin McIntosh<br>PHONE (A/C, No, Ext): 321-445-1117 FAX (A/C, No): 321-445-1076<br>E-MAIL ADDRESS: certs@jcj-insurance.com |
| INSURED<br>Andersen Andre Consulting Engineers, Inc.<br>834 SW Swan Ave.<br>Port St. Lucie, FL 34983 | INSURER(S) AFFORDING COVERAGE — NAIC #<br>INSURER A : Crum & Forester — 44520<br>INSURER B : Progressive Express Insurance — 10193<br>INSURER C : Technology Insurance Company — 42376<br>INSURER D :<br>INSURER E :<br>INSURER F : |

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

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

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ 2,000,000 |
| | CLAIMS-MADE X OCCUR | | | EPK-125685 | 01/20/2019 | 01/20/2020 | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 100,000 |
| | | | | | | | MED EXP (Any one person) | $ 5,000 |
| | | | | | | | PERSONAL & ADV INJURY | $ 2,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ 2,000,000 |
| | POLICY X PRO-JECT LOC | | | | | | PRODUCTS - COMP/OP AGG | $ 2,000,000 |
| | OTHER: | | | | | | | $ |
| B | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ 1,000,000 |
| | X ANY AUTO | | | 03833336-2 | 06/27/2018 | 06/27/2019 | BODILY INJURY (Per person) | $ |
| | OWNED AUTOS ONLY / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | UMBRELLA LIAB OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | DED RETENTION $ | | | | | | | $ |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N | | | | | | X PER STATUTE OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | N / A | | TWC3774306 | 03/31/2019 | 03/31/2020 | E.L. EACH ACCIDENT | $ 1,000,000 |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ 1,000,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ 1,000,000 |
| A | Professional Liab<br>Claims-Made Form | | | EPK-125685 | 01/20/2019 | 01/20/2020 | Per Claim<br>Aggregate | 2,000,000<br>2,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER**

PORT121

City of Port St. Lucie
121 SW Port St. Lucie Blvd.
Port St. Lucie, FL 34984

**CANCELLATION**

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

AUTHORIZED REPRESENTATIVE

Erin K. Kelley

STATE OF FLORIDA
E-VERIFY

CITY OF PORT ST. LUCIE, FLORIDA
Geotechnical Services for Westport WWTP Phase II Expansion RFQu #20190062

Contract No: RFQu #20190062

Financial Project No(s): _____

Project Description: Geotechnical Services for Westport WWTP Phase II Expansion

_____

Vendor/Consultant acknowledges and agrees to the following:

Vendor/Consultant:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Vendor/Consultant during the term of the contract; and

2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

Company/Firm: Andersen Andre Consulting Engineers, Inc.

Authorized Signature: _____

Title: President

Date: May 20, 2019

# DRUG-FREE WORKPLACE FORM

## Geotechnical Services for Westport WWTP Phase II Expansion RFQu #20190062

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Andersen Andre Consulting Engineers, Inc. does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Proposer's Signature

5/20/19

Date

# CONTRACTOR CODE OF ETHICS
## Geotechnical Services for Westport WWTP Phase II Expansion RFQu #20190062

The City of Port St Lucie ("City), through its Procurement Management Department ("PMD") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, PMD requires each Contractor who seeks to do business with the City to subscribe to this Contractor Code of Ethics.

- A Contractor's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- A Contractor will not discuss or consult with other Contractors intending to bid on the same contract or similar City contract for limiting competition. A Contractor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- Contractor will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Contractor prior to the bid or proposal closing date.
- Contractor will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- Contractor will submit timely, accurate and appropriate invoices for goods and/or services performed under the contract.
- Contractor will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- Contractor will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Contractor or for any other person.
- Contractor will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Contractor contracted by the City.
- Contractors must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Contractors must require their suppliers (including temporary labor agencies) to do the same. Contractors must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:
  - Obtaining and maintaining all required environmental permits. Further, Contractor will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
  - Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
  - Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer Andersen Andre Consulting Engineers, Inc.

Signature _____

Printed Name and Title David P. Andre, President

Date 5/20/19

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to Contractors. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable Contractor contract. In the case of any discrepancies between it and the law, regulation(s) and/or Contractor contract, the law, regulatory provision(s) and/or Contractor contract shall prevail.

# CONTRACTOR VERIFICATION FORM

CITY OF PORT ST. LUCIE, FLORIDA
Geotechnical Services for Westport WWTP Phase II Expansion RFQu #20190062

THE FOLLOWING IS TO BE COMPLETED BY PRIME PROPOSER:

Name of Firm: Andersen Andre Consulting Engineers, Inc.

Corporate Title: Andersen Andre Consulting Engineers, Inc. is a Florida-based S-Corporation. Officers consist of David Andre (President & Secretary) and Peter Andersen (Vice Pres. & Treasurer)

Address: 834 SW Swan Avenue, Port St. Lucie, Florida

34983
(Zip Code)

By: David P. Andre, P.E. President
(Print name) (Print title)

(Authorized Signature)

Telephone: ( 772) 807-9191

Fax: ( 772) 807-9192

State License # CA 26794 (ATTACH COPY)

County License # Business Type 8911, Receipt #8911-20050018 (ATTACH COPY)

City License: (ATTACH PROOF OF REGISTRATION WITH THE CITY)

Type of License: AACE is an engineering firm with an existing continuing service contract with the City (RFQ 20180093) AACE's City of PSL Business Tax Receipt is also attached.

Unlimited No (yes/no)

If "NO", Limited to what trade? Engineering

## NON-COLLUSION AFFIDAVIT
## Geotechnical Services for Westport WWTP Phase II Expansion RFQu #20190062

State of Florida }

County of St. Lucie }

David P. Andre, being first duly sworn, disposes and says that:
(Name/s)

1. They are President of Andersen Andre Consulting Engineers, Inc. the Proposer that (Title)
(Name of Company)

has submitted the attached bid/PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such RFQu/PROPOSAL;

3. Such RFQu/Proposal is genuine and is not a collusive or sham RFQu;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham RFQu in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) _____

(Title) President

STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

The foregoing instrument was acknowledged before me this 28th of May, 2019
*(Date)*
by: David P. Andre who is personally known to me or who has produced

FL Driver License (#A536-175-68-446-0) as identification and who did (did not) take an oath.

_____
Notary (print & sign name)

Commission No. GG 274003

Notary Public State of Florida
Kayleigh Bogert
My Commission GG 274003
Expires 11/05/2022

# CHECKLIST

## Geotechnical Services for Westport WWTP Phase II Expansion RFQu #20190062

This checklist is provided to assist Proposers in the preparation of their response to the RFQu. Included in this checklist are important requirements that are the responsibility of each Proposer to submit with their response in order to be fully compliant. This checklist is only a guideline -- it is the responsibility of each Proposer to read and comply with the Request for Qualifications in its entirety.

__x__ Uploaded documents by the due date and time onto DemandStar in one (1) .pdf file in order as instructed in section 8.0 of this RFQu. Materials should be organized in the following format:

1. Cover letter.
2. Table of contents.
3. RFQu Reply Sheet. Acknowledge all Addenda on the RFQu Reply Sheet and sign the RFQu Reply Sheet where indicated.
4. Executive summary.
5. Form 330.
6. Firm's current contracts.
7. Management Plan.
8. Work Plan(s).
9. Proposed Schedule.
10. Prior litigation, arbitration, and professional claims, including those involving the City.
11. Financial Stability.
12. Firm's Location and documentation.
13. Minority Certification (if applicable).
14. References.

__x__ All questions on the RFQu Reply Sheet are complete and thoroughly answered.

__x__ Add the following documents: W9, current Certificate of Insurance, E-verify, Drug Free Workplace form, Code of Ethics, Verification Form, Non-collusion Affidavit and RFQu checklist, Additional documents should be submitted in the order of the question in the RFQu Reply Sheet.

__x__ Firm has reviewed the Contract and accept all City Terms and Conditions contained in the RFQu and on the City's website.

__x__ After review of uploaded documents on DemandStar by Onvia web site selected the Submit button at bottom of page.

# CITY OF PORT SAINT LUCIE BUSINESS TAX RECEIPT

*PLEASE POST IN CONSPICIOUS PLACE OR KEEP ON PERSON*

*Term :* 10/01/2018 — 09/30/2019

## 2018 - 2019

Business Address: **834 SW SWAN AVE**

BTR#: 3584

Date Made: 05/21/2019

Business Name: ANDERSEN ANDRE CONSULTING ENGINEERS INC

Mailing Address: 834 SW SWAN AVE

PORT ST LUCIE, FL 34983

Business Tax Authority

| | | | |
|---|---|---|---|
| Category: | Category 3 | BUSINESS ADVISOR | $134.00 |
| Additional Data: | ENGINEERING CONSULTANT | | |

Total Tax Paid: **$134.00**

## THIS IS A RECEIPT FOR TAX PAID AND IS NOT REGULATORY IN NATURE

This receipt does not warrant that the receipt holder is competent to perform in the business, but that the holder has paid the required tax and provided the necessary documentation (if required) for this business. Valid only when all state and local regulated trade licenses/competency cards are valid for the current fiscal year as required by law.

CHRIS CRAFT Serving Our Neighbors
TAX COLLECTOR
ST. LUCIE COUNTY

# 2018 - 2019

## St. Lucie County Local Business Tax Receipt

Facilities or machines # Rooms # Seats # Employees #6 Receipt #8911-20050018

Type of business 8911 ARCHITECT/ENGINEER/LAND SURV
(ARCHITECTENGINEERLAND SURV)

Expires SEPTEMBER 30, 2019

DBA name

Business Anderson Andre Consult Eng Inc

Mailing address: Anderson Andre Consult Eng Inc
834 SW Swan Ave
Port Saint Lucie, FL 34983

Business location: 834 SW Swan Ave
Port Saint Lucie, FL 34983

RENEWAL
Original tax: $27.55
Penalty:
Collection cost:
Total: $27.55

City of Pt St Lucie

53969
H05000274187

Paid 07/24/2018 27.55

0099-20180724-033342

Law requires this Local Business Tax Receipt to be displayed conspicuously at the place of business in such a manner that it can be open to the view of the public and subject to inspection by all duly authorized officers of the county. Upon failure to do so, the local business taxpayer shall be subject to the payment of another Local Business Tax for the same business, profession or occupation.

Pursuant to Florida law, all Local Business Tax Receipts shall be sold by the Tax Collector beginning July 1 of each year and shall expire on September 30 of the succeeding year. Those Local Business Tax Receipts renewed beginning October 1 shall be delinquent and subject to a delinquency penalty of 10 percent for the month of October. An additional 5 percent penalty for each month of delinquency is added until paid, provided that the total delinquency penalty shall not exceed 25 percent of the Local Business Tax for the delinquent establishment.

In addition to the penalty, the Tax Collector is entitled to a collection fee of $1 to $5. This fee is based on the amount of Local Business Tax, which will be collected from delinquent taxpayers after September 30 of the business year.

This receipt is a Local Business Tax only. It does not permit the local business taxpayer to violate any existing regulatory or zoning laws of the state, county or city. It also does not exempt the local business taxpayer from any other taxes, licenses or permits that may be required by law.

Pursuant to Florida law, Local Business Taxes are subject to change.

Anderson Andre Consult Eng Inc
834 SW Swan Ave
Port Saint Lucie, FL 34983

# *State of Florida*
# *Department of State*

I certify from the records of this office that ANDERSEN ANDRE CONSULTING ENGINEERS, INC. is a corporation organized under the laws of the State of Florida, filed on November 29, 2005.

The document number of this corporation is P05000156896.

I further certify that said corporation has paid all fees due this office through December 31, 2019, that its most recent annual report/uniform business report was filed on January 9, 2019, 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 Ninth day of January, 2019***

***Secretary of State***

**Tracking Number: 0280470228CC**

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

**https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication**

Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

# STATE OF FLORIDA

## BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

# ANDERSEN ANDRE CONSULTING ENGINEERS, INC.

834 SW SWAN AVENUE
PORT ST. LUCIE FL 34983

**LICENSE NUMBER: CA26794**

**EXPIRATION DATE: FEBRUARY 28, 2021**

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

# STATE OF FLORIDA

## BOARD OF PROFESSIONAL ENGINEERS

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

## ANDRE, DAVID P.

2961 NE HEATHER COURT
JENSEN BEACH FL 349570000

**LICENSE NUMBER: PE53969**

**EXPIRATION DATE: FEBRUARY 28, 2021**

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

# STATE OF FLORIDA

## BOARD OF PROFESSIONAL ENGINEERS

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

## ANDERSEN, PETER GREGERS

11419 165TH ROAD NORTH
JUPITER FL 33478

**LICENSE NUMBER: PE57956**

**EXPIRATION DATE: FEBRUARY 28, 2021**

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.